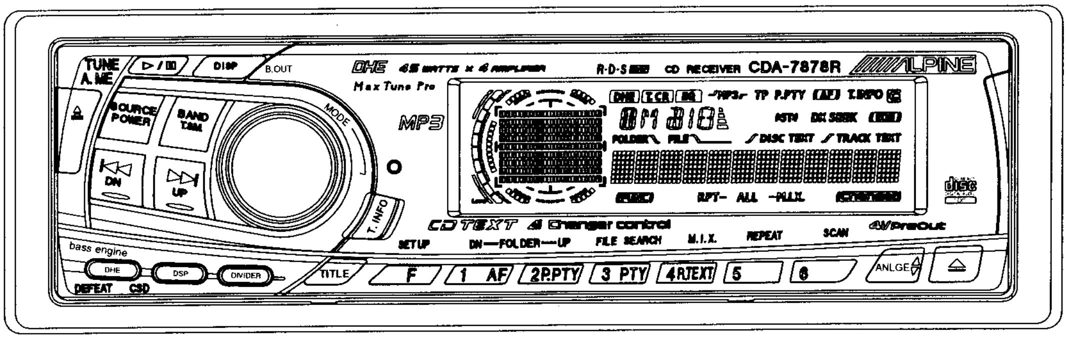
ALPINE

# SERVICE MANUAL

## FM/MW/LW/RDS CD Receiver

MP3


TUNE
A.ME
DISP
B.OUT
DHE 45 WATTS x 4 AMPLIFIER
Max Tune Pro
R·D·S
CD RECEIVER CDA-7878R
ALPINE
SOURCE POWER
BAND T.SM
MODE
MP3
DN
UP
T. INFO
CD TEXT
Changer control
4V Preout
SETUP
DN—FOLDER—UP
FILE SEARCH
M.I.X.
REPEAT
SCAN
bass engine
DHE
DSP
DIVIDER
DEFEAT
CSD
TITLE
F
1 AF
2 P.PTY
3 PTY
4 R.TEXT
5
6
ANLGE

# CDA-7878R

## <Cautions for Safe Repair Work>

The following cautions will prevent accidents in the workplace and will ensure safe products.

- The symbols indicate caution is needed to prevent injuries and damage to property.
  The symbols and their meanings follow.

| | |
|---|---|
| ⚠ **Warning** | If you ignore this symbol and handle the product incorrectly or unsafely, serious injury or death may result. |
| ⚠ **Caution** | If you ignore this symbol and handle the product incorrectly or unsafely, injury or only material damage may result. |

- The following symbols indicate two levels of cautions.

| | |
|---|---|
| ⚠ | When you see this symbol, you have to be very careful. |
| ❗ | When you see this symbol, you have to follow the instructions there. |

## ⚠ Warning

| | |
|---|---|
| ⚠ **Do not look squarely into the laser light coming from the pickup.**<br>You may loose you sight. | ❗ **Fuse Caution**<br>Always use a designated fuse.<br>Use of an incorrect fuse may result in a fire. |

## ⚠ Caution

| | |
|---|---|
| ⚠ **Do not allow wiring to be caught in the screw/chassis.**<br>If wiring is caught in the screw/chassis, it may cause a short circuit, resulting in a fire. | ❗ **Battery Caution**<br>Use the designated battery.<br>Confirm the correct polarity and seat of the battery.<br>An incorrect battery or an improperly connected or seated battery may result in a fire. |
| ⚠ **High Temperature Caution**<br>Touching the heat sink may cause severe burns. | ❗ **Designated Parts Caution**<br>Look up the part list and ensure that only designated parts are used to prevent problems or accidents. |
| ⚠ **Reverse Power Supply Connections or Misconnections Caution**<br>Reverse power supply connections or misconnections may cause ignition problems and smoke may result. | ❗ **Wiring Caution**<br>Ensure that the wiring is correct when rewiring to prevent problems with ignition/breakdown. |
| ⚠ **Soldering Caution**<br>Hot solder from solder splash may cause severe burns. | ❗ **Wear Gloves**<br>Wear gloves to prevent electrical shocks or injury from the end face of the metal. |

⚠ **For the FDA laser standard, the following CAUTION label is stuck on each product.**

Please be careful for repair.

CAUTION-Laser radiation when open, DO NOT STARE INTO BEAM

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CD Deck Mechanism Assembly Parts List ........ 92, 93

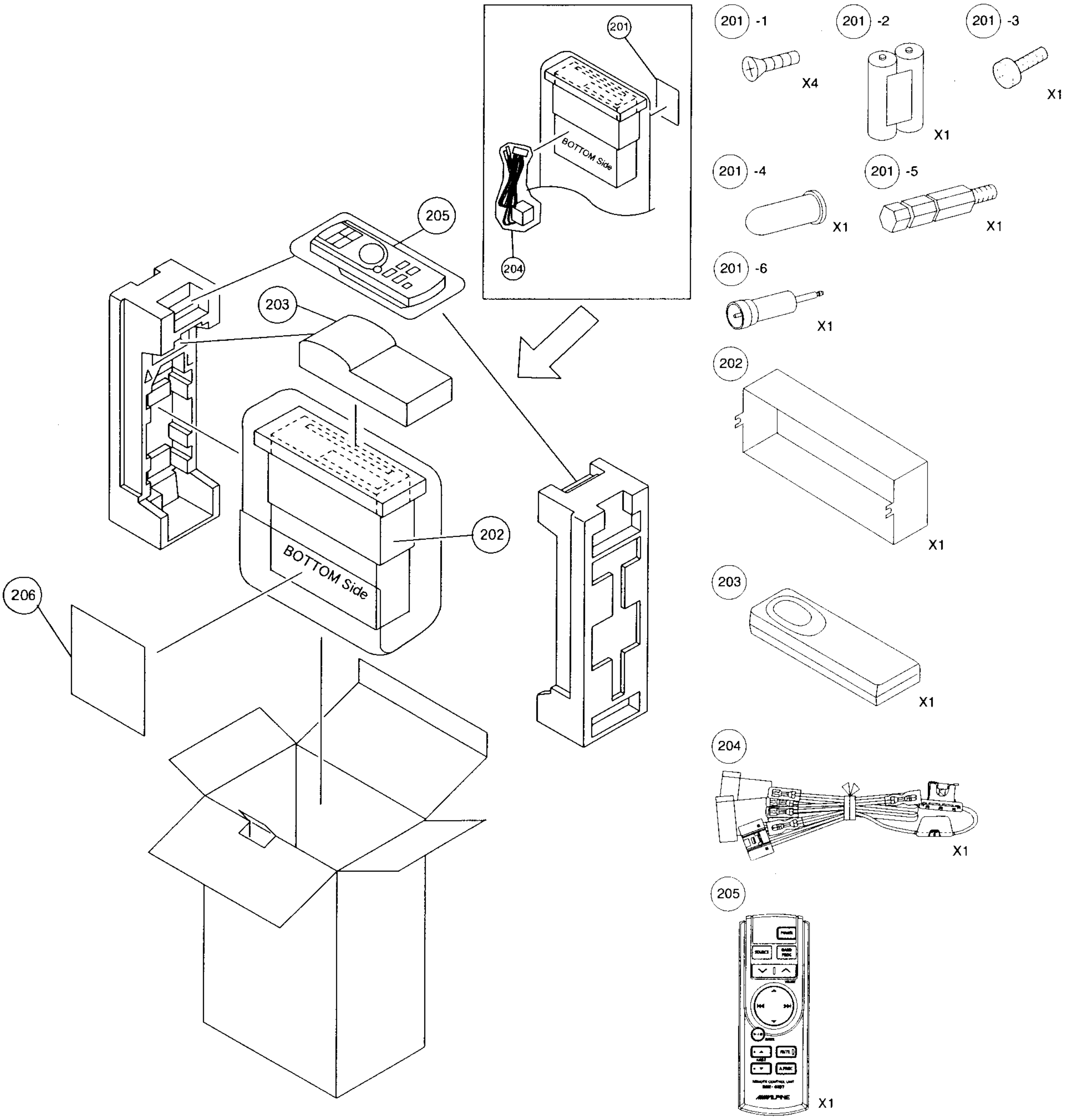
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

# Packing Assembly Parts List

| Symbol No. | Part No. | Description |
|---|---|---|
| 201-1 | 03S72235F13 | SCR,MCH M5X8 FLAT |
| 201-2 | 60T55630W01 | BAT,MGN R03(NB)UM-4 |
| 201-3 | 03S68555F26 | SCR,WAVE M1.7X4 |
| 201-4 | 36A11113W01 | CAP,RUBBER(A) |
| 201-5 | 03A11112W01 | BOLT,HEX.M5(A) |
| 201-6 | 01T15394Y02 | ANT,JASO-ISO |

| Symbol No. | Part No. | Description |
|---|---|---|
| 202 | 15D50406W01 | CASE,INNER |
| 203 | 15D50063Y01 | CARRYING,CASE |
| 204 | 01T15359Y06 | ASSY,ISO CONN 7887R |
| 205 | 01T45518Y01 | ASSY,REMOCON RUE4187 |
| 206 | 68P41262Y54 | O/M AOEU |

# Packing Method View


201
BOTTOM Side
204
205
203
202
BOTTOM Side
206
201 -1
X4
201 -2
X1
201 -3
X1
201 -4
X1
201 -5
X1
201 -6
X1
202
X1
203
X1
204
X1
205
ALPINE
X1

# Specifications

## <FM RADIO>

| | |
|---|---|
| Intermediate Frequency | 10.7±0.1MHz |
| Frequency Range | 87.5~108MHz |
| Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz) | 20.2dBf |
| -3dB Limiting Sensitivity (at 98.1MHz) | 21.2dBf |
| Residual Noise (Ref. 400Hz (narrow), at 98.1MHz) | 28±10dB |
| S/N Ratio (at 98.1MHz) | Stereo : 55dB<br>Mono : 58dB |
| Image Rejection (at 106.1MHz) | 40dB |
| IF Rejection (at 90.1MHz) | 60dB |
| Distortion (Input 60dBμ, at 98.1MHz) | 1% |
| Frequency Response (Ref. 400Hz, at 98.1MHz) | 100Hz : 0±3dB<br>10kHz : -10±3dB |
| Stereo Separation (1kHz, at 98.1MHz) | 20dB |
| PS Sensitivity (at 98.1MHz) | 36.2dBf |

## <MW RADIO>

| | |
|---|---|
| Intermediate Frequency | 1st. : 10.7MHz<br>2nd. : 450kHz |
| Frequency Range | 531~1,602kHz |
| Usable Sensitivity (20dB S/N, at 999kHz) | 34dB |
| S/N Ratio (at 999kHz) | 44dB |
| Image Rejection (at 1,404kHz) | 50dB |
| IF Rejection (at 603kHz) | 60dB |
| Distortion (at 999kHz) | 1.5% |
| Frequency Response (Ref. 400Hz, at 999kHz) | 100Hz : -3±4dB<br>2.5kHz : -3+4, -6dB |

## <LW RADIO>

| | |
|---|---|
| Intermediate Frequency | 1st. : 10.7MHz<br>2nd. : 450kHz |
| Frequency Range | 153~281kHz |
| Usable Sensitivity (20dB S/N, at 216kHz) | 42dB |
| S/N Ratio (at 216kHz) | 44dB |
| Image Rejection (at 270kHz) | 50dB |
| IF Rejection (at 162kHz) | 60dB |
| Distortion (at 216kHz) | 1.5% |
| Frequency Response (Ref. 400Hz, at 216kHz) | 100Hz : -3±4dB<br>2.5kHz : -5+3, -5dB |

## <CD SECTION>

| | |
|---|---|
| System | Optical (Compact Disc System) |
| Quantizing Bit Number | 16bit Linear system |
| Channels | 2 Channels |
| Channel Balance (1kHz) | TCD-782 : 0±3dB<br>SCD-4419 (FOLDER4-128kbps) : 0±3dB |
| Distortion (1kHz) | TCD-782 : 0.3%<br>SCD-4419 (FOLDER4-128kbps) : 0.3% |
| Frequency Response (Ref. 1kHz) | TCD-782 : 17Hz : 0±3dB<br>127Hz : 0±2dB<br>10.007kHz : 0±2dB<br>19.997kHz : -2±4dB<br>SCD-4419 (FOLDER4-128kbps) : 17Hz : 0±3dB<br>127Hz : 0±2dB<br>10.007kHz : 0±2dB<br>19.997kHz : -2±4dB |
| S/N Ratio | TCD-782 : 80dB<br>SCD-4419 (FOLDER4-128kbps) : 80dB |
| Separation (1kHz) | TCD-782 : 55dB<br>SCD-4419 (FOLDER4-128kbps) : 55dB |
| De-Emphasis (Ref. 1kHz) | TCD-782 : 4kHz : -20±3dB<br>16kHz : -20±3dB |

## <Pickup>

| | |
|---|---|
| Wave Length | 655nm |
| Laser Power | CLASS II |

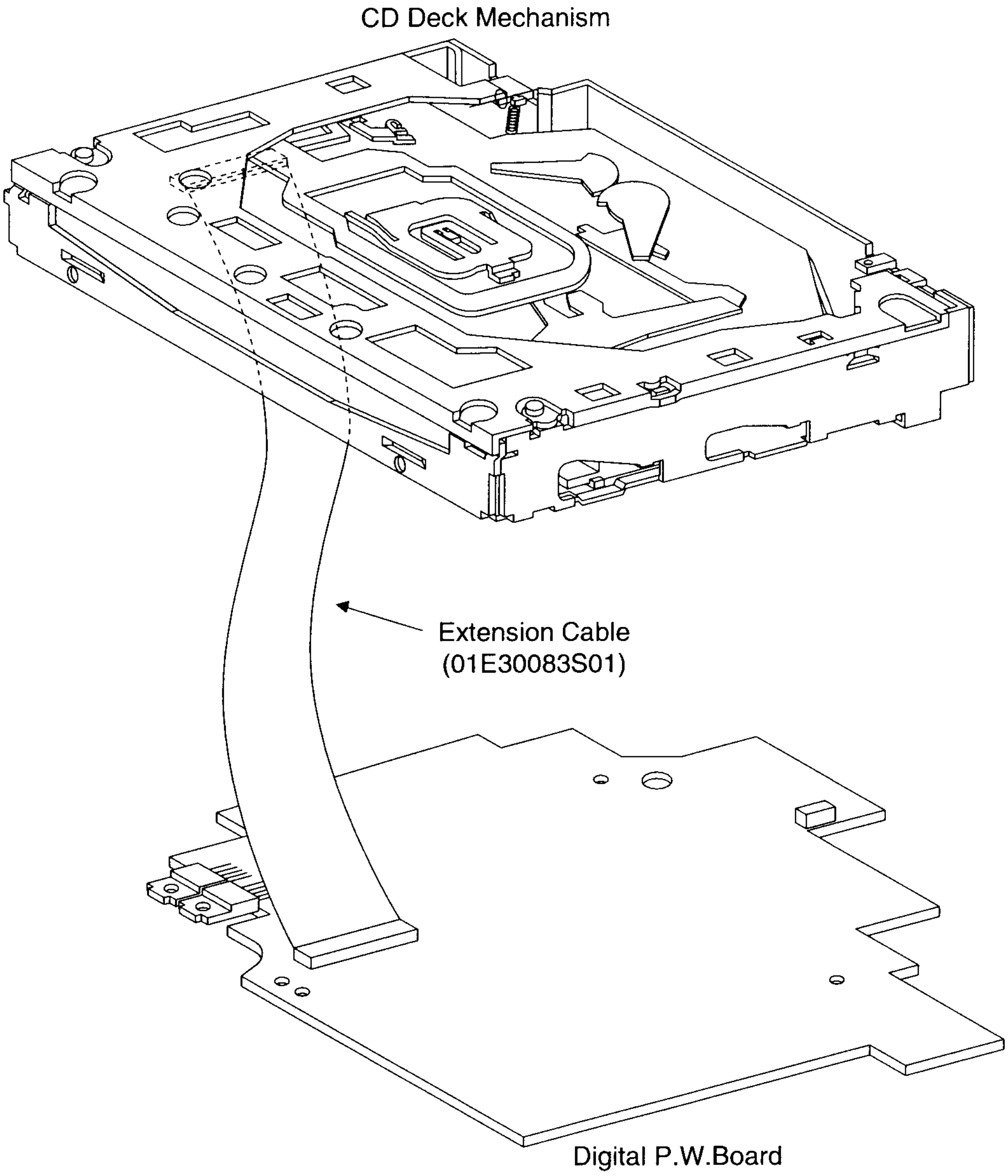
## <GENERAL>

| | |
|---|---|
| Power Supply | DC14.4V |
| Power Output (TCD-782 (0dB, 1kHz), T.H.D. 10%) /Impedance | 16W/ch/4ohm |
| Pre Output (TCD-782 (0dB, 1kHz), T.H.D. 1%) /Impedance | 4V±2.5dBV/ch/10kohm |
| Dimensions (W×H×D) | Chassis : 178×50×158mm<br>Nose : 188×58×24.5mm |
| Weight | 1.8kg |

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

# Extension Cable

- When repairing or measuring the voltage of this unit, connect with the Extension Cable as shown in below.

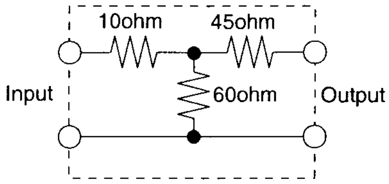

CD Deck Mechanism
Extension Cable
(01E30083S01)
Digital P.W.Board

# Adjustment Procedures

## 1. Tuner Adjustment

### ① FM SECTION

(1) Dummy Antenna Circuit


10ohm
45ohm
Input
60ohm
Output

For 50 ohm FM Signal Generator Figure 1

(2) Connection

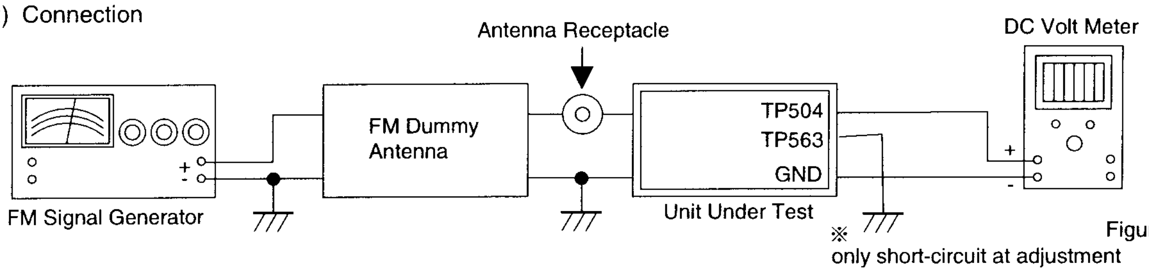

Antenna Receptacle
DC Volt Meter
FM Dummy Antenna
TP504
TP563
GND
+
-
FM Signal Generator
Unit Under Test
※
only short-circuit at adjustment

Figure 2

(3) Control Settings

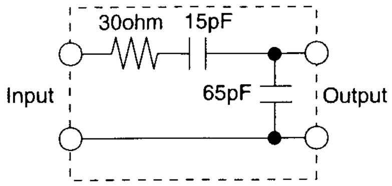
| | | | |
|---|---|---|---|
| Fader Control | Center Position | DHE Control | NON EFFECT |
| Balance Control | Center Position | Band Switch | FM |
| EQ Control | FLAT | Others | OFF |
| LPS Control | OFF | | |

(4) Adjustment Procedures

| Step | Description | Connection | Signal Generator | | Dial Control | Test Point / P.W.Board Coordinates | Adjustment |
|---|---|---|---|---|---|---|---|
| 1 | Signal Meter Adjustment | Figure 2 | (1) | 87.5MHz, 31dBμ (Mod. OFF) | 87.5MHz | TP504<br>(5-B)<br>TP563<br>(3-A) | Auto Adjustment : After setting up of Signal Generator, short GND and TP563. |
| | | | (2) | 87.5MHz, 26dBμ (Mod. OFF) | 87.5MHz | TP504<br>(5-B)<br>TP563<br>(3-A) | Proceed same Auto Adjustment of step (1) under step (2).<br>(SPEC) TP504 : 1.5±0.2V |

## ② AM SECTION

(1) Dummy Antenna Circuit


30ohm
15pF
Input
65pF
Output

For 50 ohm AM Signal Generator Figure 3

(2) Connection

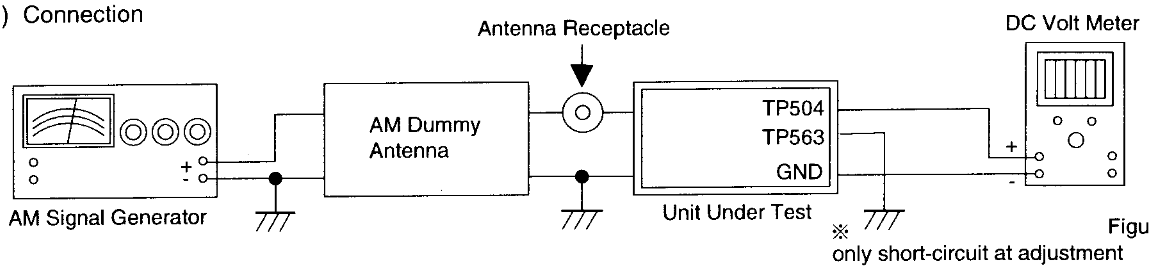

Antenna Receptacle
DC Volt Meter
AM Dummy Antenna
TP504
TP563
GND
+
-
AM Signal Generator
Unit Under Test
※
only short-circuit at adjustment

Figure 4

(3) Control Settings

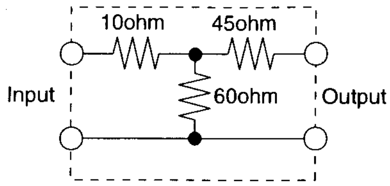
| | | | |
|---|---|---|---|
| Fader Control | Center Position | DHE Control | NON EFFECT |
| Balance Control | Center Position | Band Switch | MW/LW |
| EQ Control | FLAT | Others | OFF |
| LPS Control | OFF | | |

(4) Adjustment Procedures

| Step | Description | Connection | Signal Generator | | Dial Control | Test Point / P.W.Board Coordinates | Adjustment |
|---|---|---|---|---|---|---|---|
| 1 | MW<br>Signal Meter Adjustment | Figure 4 | (1) | 999kHz, 35dBμ (Mod. OFF) | 999kHz | TP504 (5-B)<br>TP563 (3-A) | Auto Adjustment : After setting up of Signal Generator, short GND and TP563 |
| | | | (2) | 999kHz, 30dBμ (Mod. OFF) | 999kHz | TP504 (5-B)<br>TP563 (3-A) | Proceed same Auto Adjustment of step (1) under step (2).<br>(SPEC) TP504 : 1±0.2V |
| 2 | LW<br>Signal Meter Adjustment | Figure 4 | (1) | 216kHz, 35dBμ (Mod. OFF) | 216kHz | TP504 (5-B)<br>TP563 (3-A) | Auto Adjustment : After setting up of Signal Generator, short GND and TP563 |
| | | | (2) | 216kHz, 30dBμ (Mod. OFF) | 216kHz | TP504 (5-B)<br>TP563 (3-A) | Proceed same Auto Adjustment of step (1) under step (2).<br>(SPEC) TP504 : 1±0.2V |

## ③ FM SECTION

(1) Dummy Antenna Circuit


10ohm
45ohm
Input
60ohm
Output

For 50 ohm FM Signal Generator Figure 1

(2) Connection

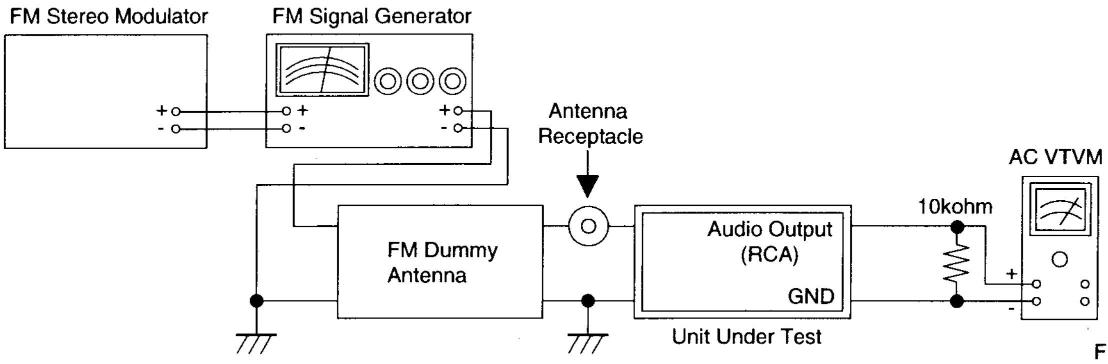

FM Stereo Modulator
FM Signal Generator
+
-
Antenna Receptacle
AC VTVM
10kohm
FM Dummy Antenna
Audio Output (RCA)
GND
Unit Under Test

Figure 5

(3) Control Settings

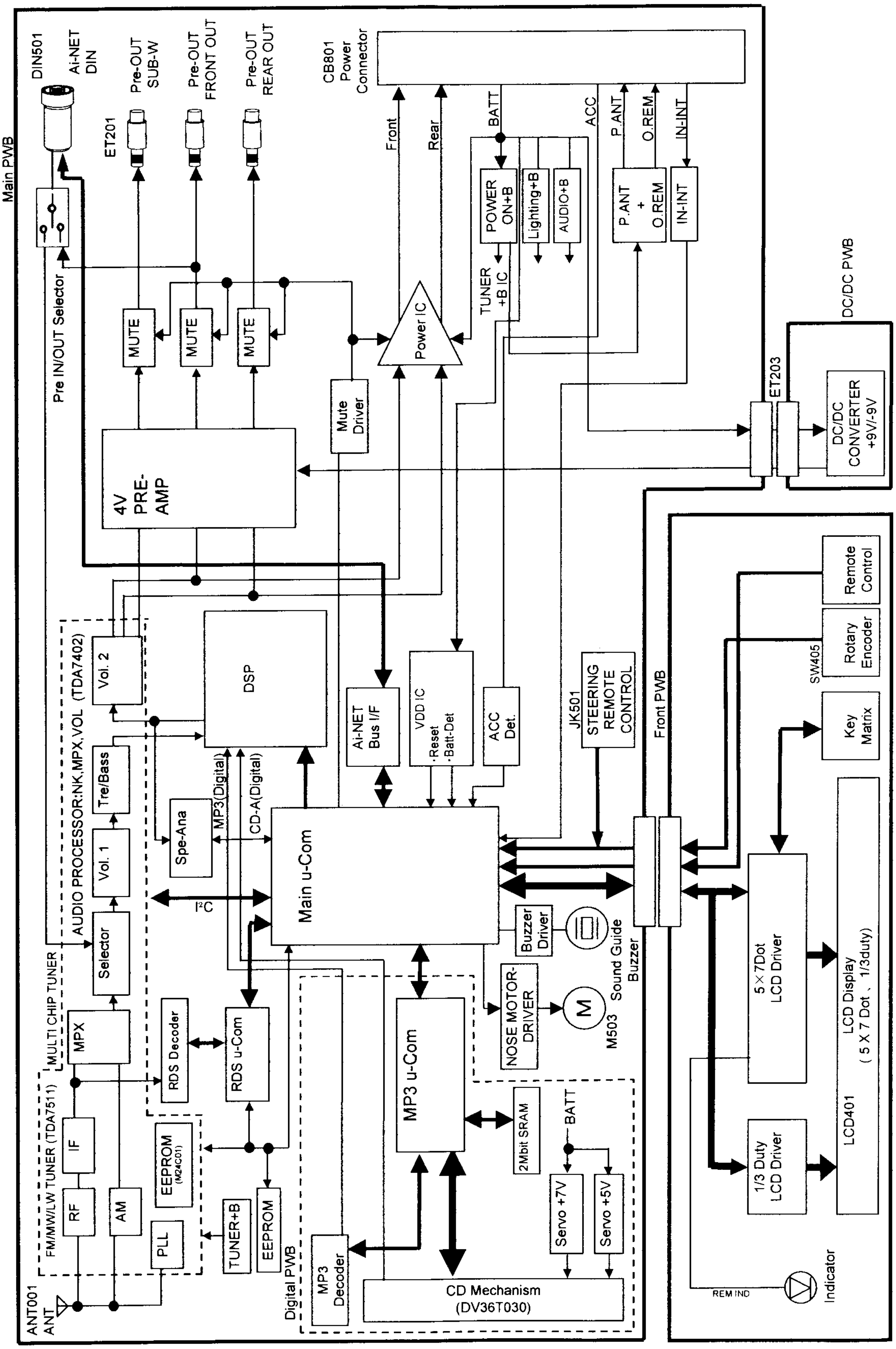
Fader Control ........................... Center Position
Balance Control ....................... Center Position
EQ Control .............................................. FLAT
LPS Control ............................................. OFF
DHE Control .......................... NON EFFECT
Band Switch ........................................... FM
Others .................................................. OFF

(4) Adjustment Procedures

| Step | Description | Connection | Signal Generator | | Dial Control | Test Point / P.W.Board Coordinates | Adjustment |
|---|---|---|---|---|---|---|---|
| 1 | FM ST Separation (Roll OFF) Adjustment | Figure 5 | (1) | — | — | — | Set up of Adjustment Mode :<br>Push SOURCE/POWER + 2/P.PTY/FOLDER-UP at the same time. |
| | | | (2) | 98.1MHz, 72dBμ (Stereo, 1kHz, Lch only) | 98.1MHz | Audio Output (RCA) | Push Preset Switches (1~5), and observe value of separation.<br>Select Preset Switch of maximum separation.<br>(SPEC) : separation : more than 30dB. |
| | | | (3) | — | — | — | Cancel Adjustment Mode :<br>Push SOURCE/POWER + 2/P.PTY/FOLDER-UP at the same time. |

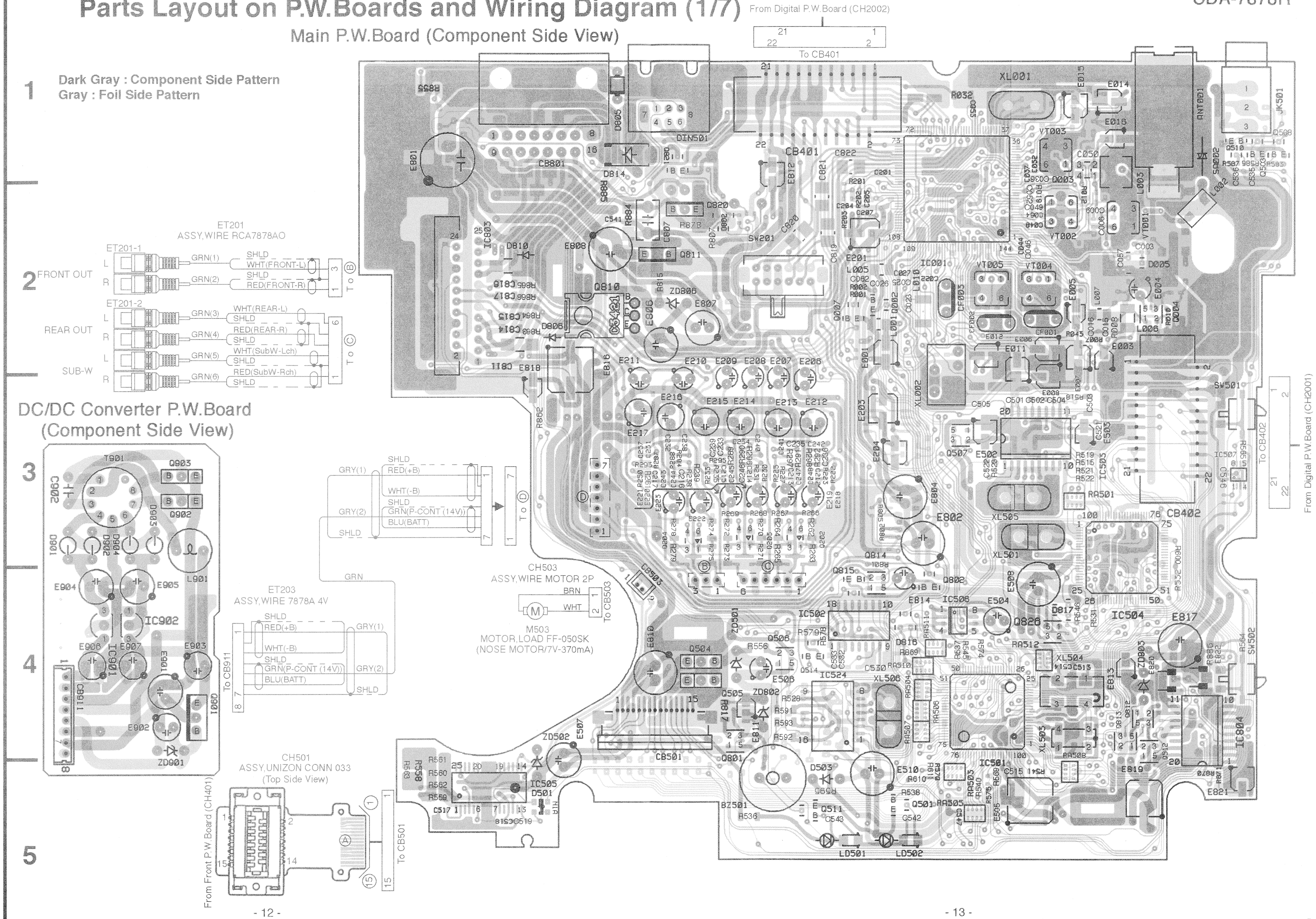
NOTE : For the Test Points, refer to the Parts Layout on P.W.Boards and Wiring Diagram.

# Block Diagram


Main PWB
DIN501
Ai-NET DIN
ET201
Pre-OUT SUB-W
Pre-OUT FRONT OUT
Pre-OUT REAR OUT
CB801 Power Connector
Front
Rear
BATT
ACC
P.ANT
O.REM
IN-INT
POWER ON+B
Lighting+B
AUDIO+B
P.ANT + O.REM
IN-INT
TUNER +B IC
Power IC
Pre IN/OUT Selector
MUTE
MUTE
MUTE
Mute Driver
4V PRE-AMP
ET203
DC/DC PWB
DC/DC CONVERTER +9V/-9V
AUDIO PROCESSOR:NK,MPX,VOL (TDA7402)
Vol. 2
Tre/Bass
Vol. 1
Selector
DSP
Spe-Ana
MP3(Digital)
CD-A(Digital)
Ai-NET Bus I/F
VDD IC
·Reset
·Batt-Det
ACC Det.
JK501 STEERING REMOTE CONTROL
Front PWB
Remote Control
Rotary Encoder
SW405
Key Matrix
Main u-Com
I²C
Buzzer Driver
Sound Guide Buzzer
NOSE MOTOR-DRIVER
M
M503
5×7Dot LCD Driver
LCD Display (5 X 7 Dot 、1/3duty)
LCD401
1/3 Duty LCD Driver
Indicator
REM IND
MULTI CHIP TUNER
MPX
RDS Decoder
RDS u-Com
FM/MW/LW TUNER (TDA7511)
IF
RF
AM
PLL
EEPROM (M24C01)
TUNER+B
EEPROM
Digital PWB
MP3 u-Com
2Mbit SRAM
BATT
Servo +7V
Servo +5V
MP3 Decoder
CD Mechanism (DV36T030)
ANT001 ANT

# Parts Layout on P.W.Boards and Wiring Diagram (1/7)

## Main P.W.Board (Component Side View)


From Digital P.W.Board (CH2002)
To CB401
Dark Gray : Component Side Pattern
Gray : Foil Side Pattern
ET201
ASSY,WIRE RCA7878AO
ET201-1
FRONT OUT
L
R
GRN(1)
GRN(2)
SHLD
WHT(FRONT-L)
RED(FRONT-R)
To Ⓑ
ET201-2
REAR OUT
SUB-W
GRN(3)
GRN(4)
GRN(5)
GRN(6)
WHT(REAR-L)
RED(REAR-R)
WHT(SubW-Lch)
RED(SubW-Rch)
To Ⓒ
DC/DC Converter P.W.Board
(Component Side View)
T901
Q903
Q902
D903
D901
D902
D904
L901
E904
E905
IC902
E906
E907
E903
IC901
E901
E902
D901
ZD901
CB911
GRY(1)
GRY(2)
RED(+B)
WHT(-B)
GRN(P-CONT (14V))
BLU(BATT)
To Ⓓ
GRN
ET203
ASSY,WIRE 7878A 4V
To CB911
CH503
ASSY,WIRE MOTOR 2P
BRN
WHT
To CB503
M503
MOTOR,LOAD FF-050SK
(NOSE MOTOR/7V-370mA)
CH501
ASSY,UNIZON CONN 033
(Top Side View)
From Front P.W.Board (CH401)
To CB501
Ⓐ
①
⑮
CB801
DIN501
DB14
CB401
XL001
ANT001
JK501
IC803
Q810
Q811
Q820
SW201
IC001
VT003
VT002
VT004
VT005
VT001
CF001
CF003
D005
XL002
IC502
IC503
CB402
SW501
From Digital P.W.Board (CH2001)
To CB402
IC504
IC505
IC506
IC507
IC524
IC501
IC804
XL501
XL504
XL505
XL506
SW502
CB501
CB503
BZ501
LD501
LD502
Q501
Q504
Q505
Q506
Q507
Q511
Q801
Q802
Q814
Q815
Q826
ZD501
ZD502
ZD802
ZD806
E801
E802
E804
E806
E807
E808
E810
E817
E821
1
2
3
4
5
A
B
C
D
E
F
G

# Parts Layout on P.W.Boards and Wiring Diagram (2/7)

## Main P.W.Board (Foil Side View)

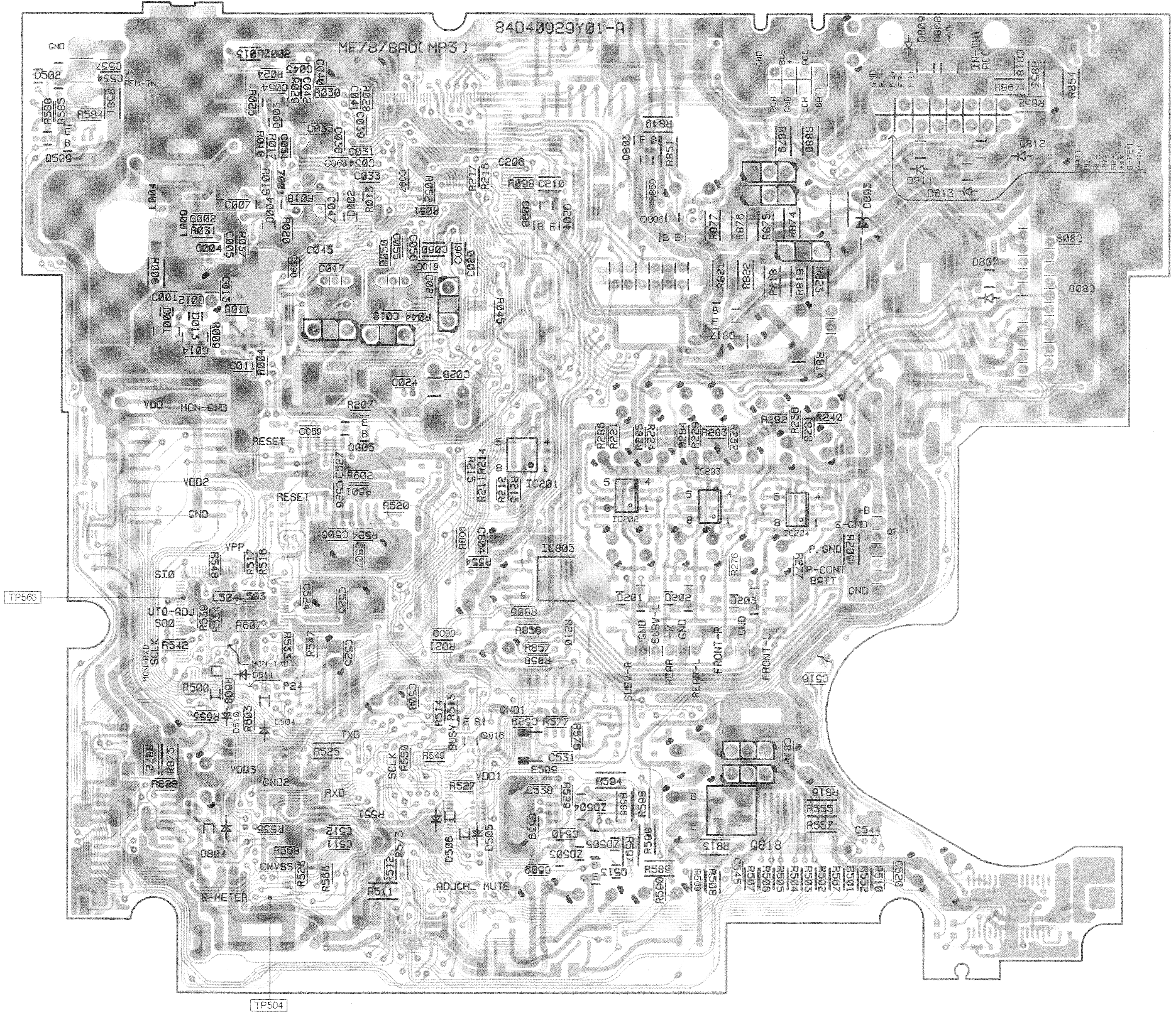
1

2

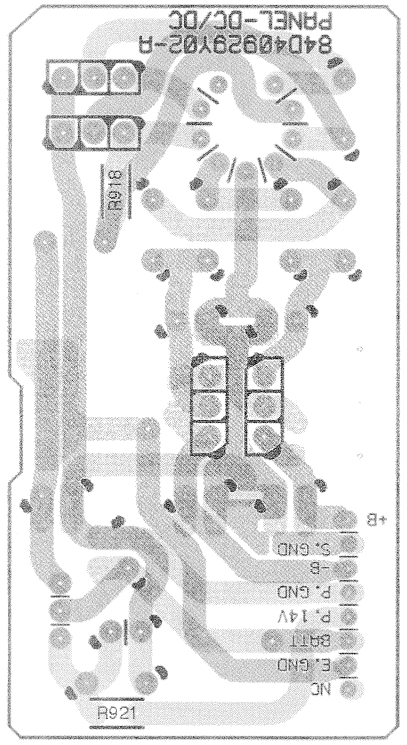
3

4

5


84D40929Y01-A
MF7878A0( MP3 )
GND
D502
REM-IN
R588
R585
R584
Q509
L004
R006
C001
C002
R031
C004
C007
C011
R004
R009
C014
R011
C012
IC002
C041
C040
R030
R028
C035
C031
C033
C063
C034
C047
D002
R013
C045
C017
C018
R044
C019
C020
C061
R045
C024
R207
Q005
C059
C527
R602
R601
R520
C506
R524
C507
C524
C523
C525
R547
R533
R607
L504
L503
R548
R517
R516
R539
R534
R542
R500
R555
D510
D504
D511
R525
R549
R550
R527
R514
R513
Q816
R577
R576
C529
C531
E509
C538
R529
C539
C540
ZD504
ZD505
R594
R596
R597
R598
R599
R589
R500
C530
R511
R512
R573
R568
R566
R526
C511
C512
C555
R551
D804
R872
R873
R888
VDD
MON-GND
RESET
VDD2
GND
VPP
SIO
TP563
UTO-ADJ
S00
SCLK
MON-RXD
MON-TXD
P24
TXD
VDD3
GND2
RXD
CNVSS
S-METER
TP504
ADJCH
MUTE
BUSY
SCLK
VDD1
GND1
D505
D506
R217
R216
C206
R098
C210
Q201
C208
R215
R214
R211
R212
R213
IC201
R806
C804
R554
IC805
R805
R856
R857
R858
R810
C099
R021
R286
R221
R285
R224
R284
R229
R280
R232
R282
R236
R281
R240
IC202
IC203
IC204
R276
R277
R809
+B
S-GND
P. GND
P-CONT
BATT
GND
D201
D202
D203
SUBW-R
SUBW-L
REAR-R
REAR-L
FRONT-R
FRONT-L
C516
C810
R816
R555
R557
C544
R815
Q818
C545
R509
R508
R507
R506
R505
R504
R503
R502
R501
R552
R510
C520
D803
R849
R851
R850
Q806
R877
R876
R875
R874
R879
D808
D809
R821
R822
R818
R819
R823
Q817
R814
D807
C808
C809
GND
BUS
ACC
RCH
LCH
BATT
FL-
FL+
FR-
FR+
IN-INT
ACC
D809
D808
R853
R867
R852
R854
D812
D811
D813
BATT
RL+
RP+
P-ANT

## DC/DC Converter P.W.Board (Foil Side View)


84D40929Y02-R
PANEL-DC/DC
R918
+B
S.GND
-B
P.GND
P.14V
BATT
E.GND
NC
R921

**Dark Gray : Component Side Pattern**
**Gray : Foil Side Pattern**

A | B | C | D | E | F | G

# Parts Layout on P.W.Boards and Wiring Diagram (3/7)

1

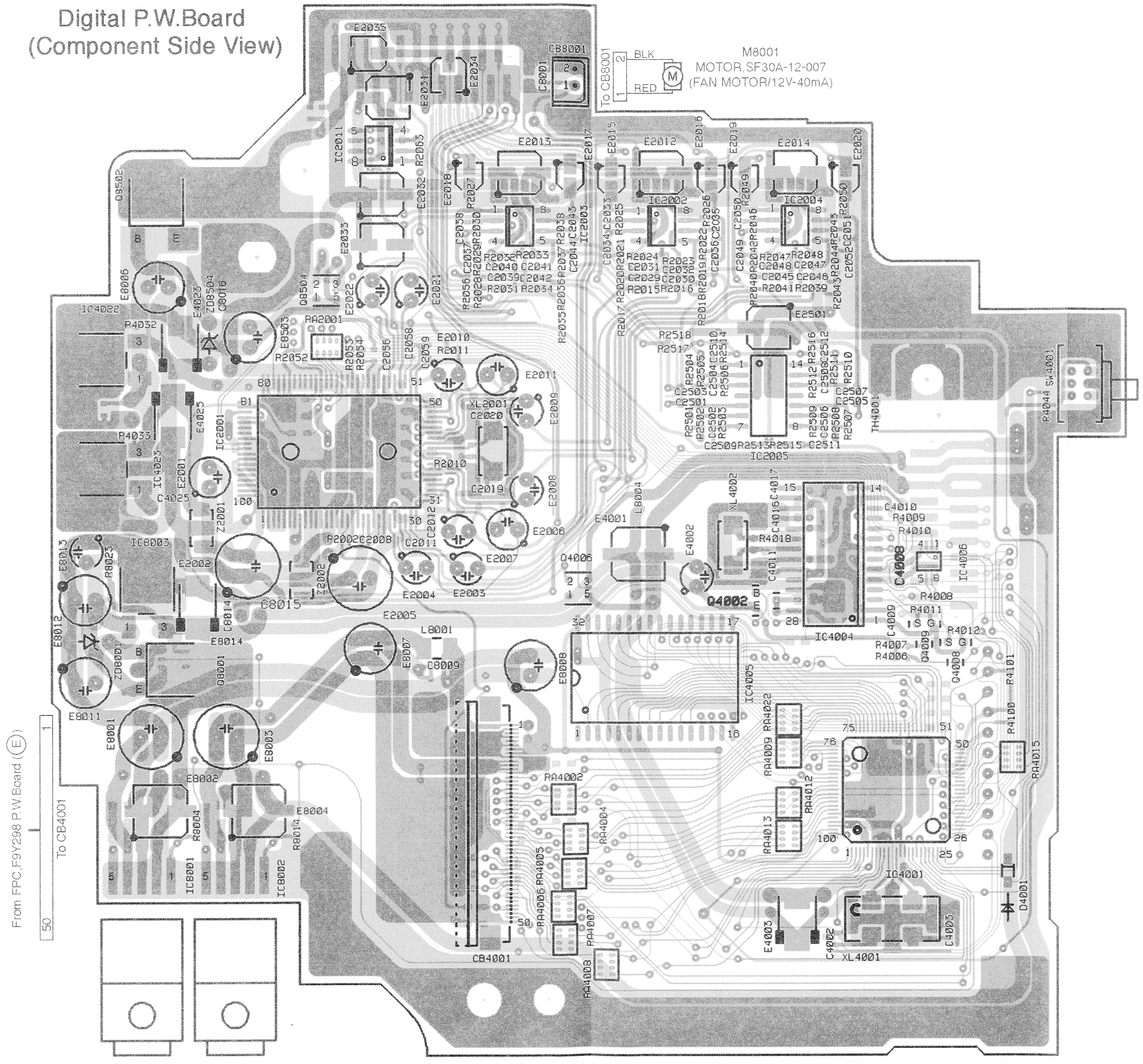
2

3

4

5

Digital P.W.Board
(Component Side View)

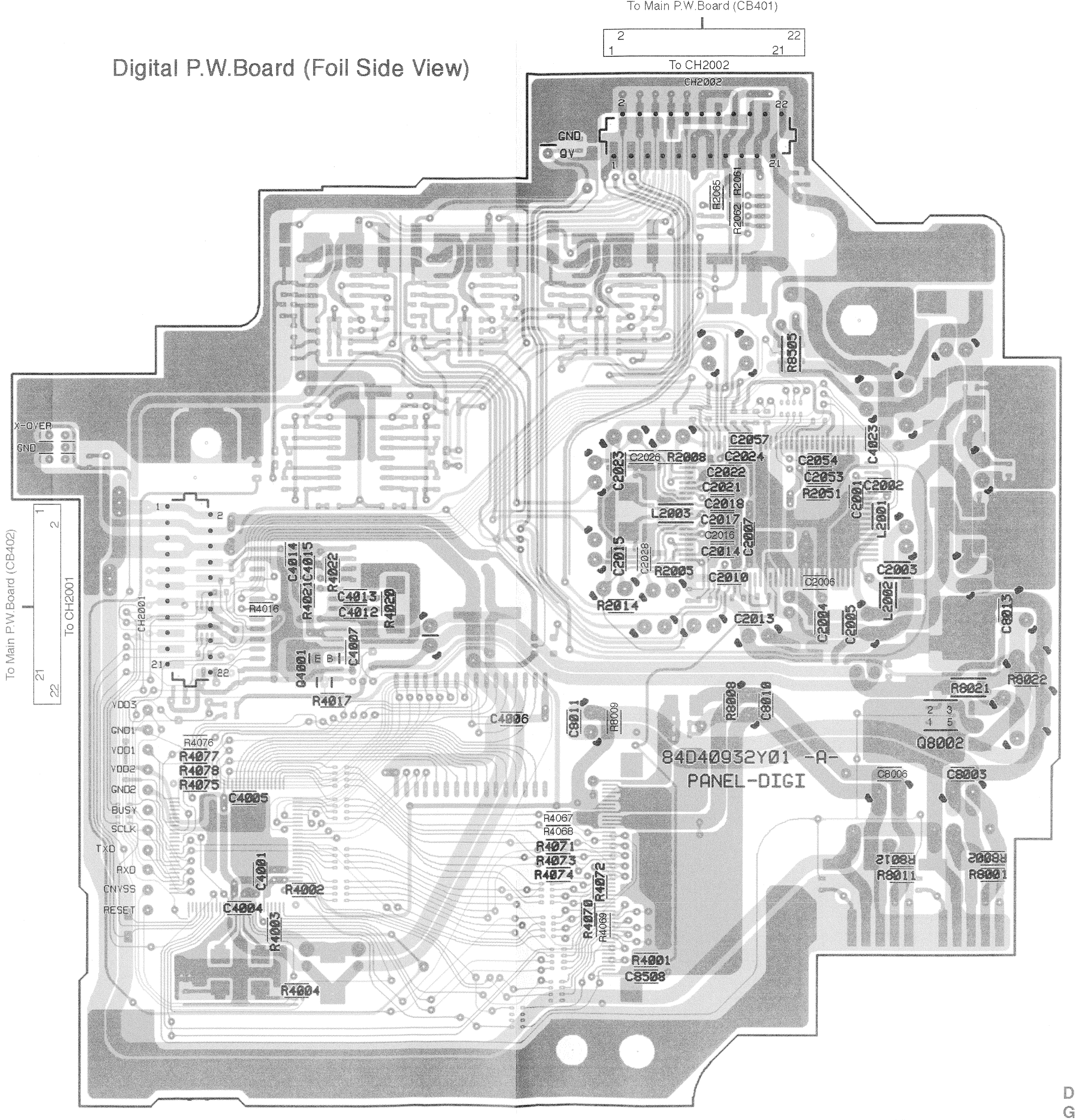

M8001
MOTOR,SF30A-12-007
(FAN MOTOR/12V-40mA)
BLK
RED
M
To CB8001
CB8001
C8001
From FPC,F9Y298 P.W.Board (E)
To CB4001
1
50
E2035
E2034
E2031
IC2011
E2033
E2032
R2063
E2013
E2012
E2014
E2015
E2016
E2017
E2018
E2019
E2020
IC2002
IC2003
IC2004
Q8502
Q8504
E8006
E4023
ZD8504
C8016
E8503
IC4022
R4032
R4033
IC4023
E4025
C4025
E2001
IC2001
Z2001
RA2001
R2052
R2053
R2054
C2056
C2058
C2059
E2010
R2011
E2011
E2009
XL2001
C2020
C2019
R2010
E2008
E2006
E2007
E2004
E2003
E2002
E2005
R2002
C2008
C2011
C2012
IC8003
E8013
R8023
E8012
ZD8001
Q8001
E8014
C8014
C8015
E8007
L8001
C8009
E8008
E8011
E8001
E8003
E8002
E8004
R8004
R8014
IC8001
IC8002
CB4001
RA4002
RA4004
RA4005
RA4006
RA4007
RA4008
E2501
IC2005
R2517
R2518
C2505
C2507
C2509
R2513
R2515
C2511
TH4001
SW4001
R4044
E4001
L8004
Q4006
E4002
XL4002
Q4002
C4011
C4016
C4017
R4018
IC4004
C4010
R4009
R4010
C4008
IC4006
R4008
R4011
R4012
C4009
Q4009
Q4008
R4007
R4006
R4101
R4100
IC4005
RA4022
RA4009
RA4012
RA4013
RA4015
IC4001
D4001
E4003
C4002
XL4001
C4005
1
5
8
14
15
17
25
26
28
31
32
50
51
75
76
80
81
100
B
E
S
G

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

A | B | C | D | E | F | G

# Parts Layout on P.W.Boards and Wiring Diagram (4/7)

## Digital P.W.Board (Foil Side View)


To Main P.W.Board (CB401)
2
22
1
21
To CH2002
CH2002
GND
9V
R2065
R2061
R2062
R8505
C4023
C2057
C2024
C2026
R2008
C2023
C2022
C2021
C2054
C2053
R2051
C2002
C2001
L2001
C2018
C2017
L2003
C2016
C2014
C2007
C2015
C2028
R2005
C2010
C2006
C2003
L2002
R2014
C2013
C2004
C2005
C8013
X-OVER
GND
To Main P.W.Board (CB402)
To CH2001
CH2001
C4014
C4015
R4022
R4021
C4013
C4012
R4020
R4016
C4007
Q4001
E B
R4017
VDD3
GND1
VDD1
VDD2
GND2
BUSY
SCLK
TXD
RXD
CNVSS
RESET
R4076
R4077
R4078
R4075
C4005
C4001
R4002
C4004
R4003
R4004
C4006
C8011
R8009
R8008
C8010
84D40932Y01 -A-
PANEL-DIGI
R8021
R8022
Q8002
C8006
C8003
R8012
R8002
R8011
R8001
R4067
R4068
R4071
R4073
R4074
R4072
R4070
R4069
R4001
C8508
1
2
3
4
5
A
B
C
D
E
F
G

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

# Parts Layout on P.W.Boards and Wiring Diagram (5/7)

1

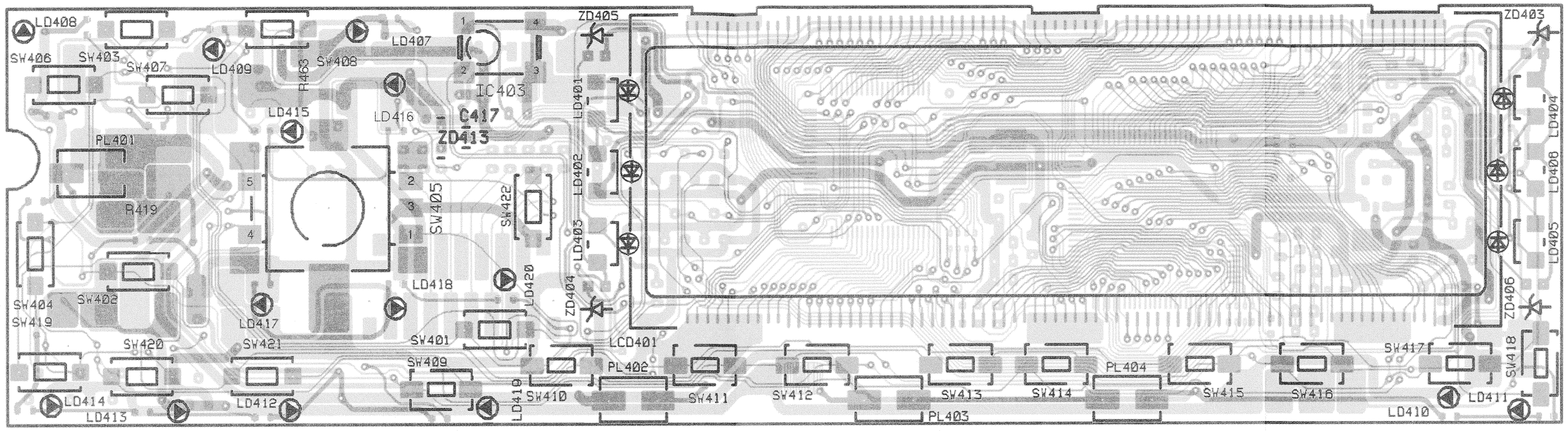
2

3

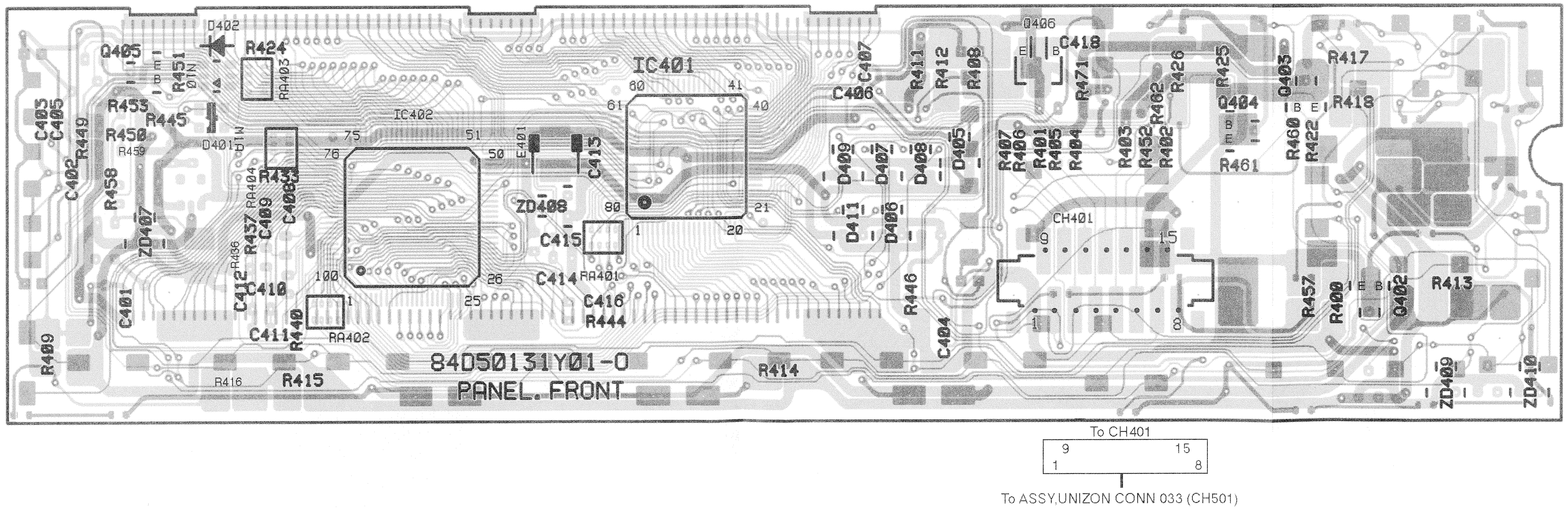
4

5

Front P.W.Board (Component Side View)


LD408
SW406
SW403
SW407
LD409
R463
SW408
LD407
IC403
C417
ZD413
LD415
LD416
ZD405
LD401
LD402
LD403
LD404
ZD404
PL401
R419
SW405
SW422
LD418
LD420
LD417
SW404
SW419
SW402
SW420
SW421
SW401
SW409
LD414
LD413
LD412
LD419
SW410
LCD401
PL402
SW411
SW412
SW413
SW414
PL404
PL403
SW415
SW416
SW417
SW418
LD410
LD411
ZD403
LD404
LD406
LD405
ZD406

Front P.W.Board (Foil Side View)

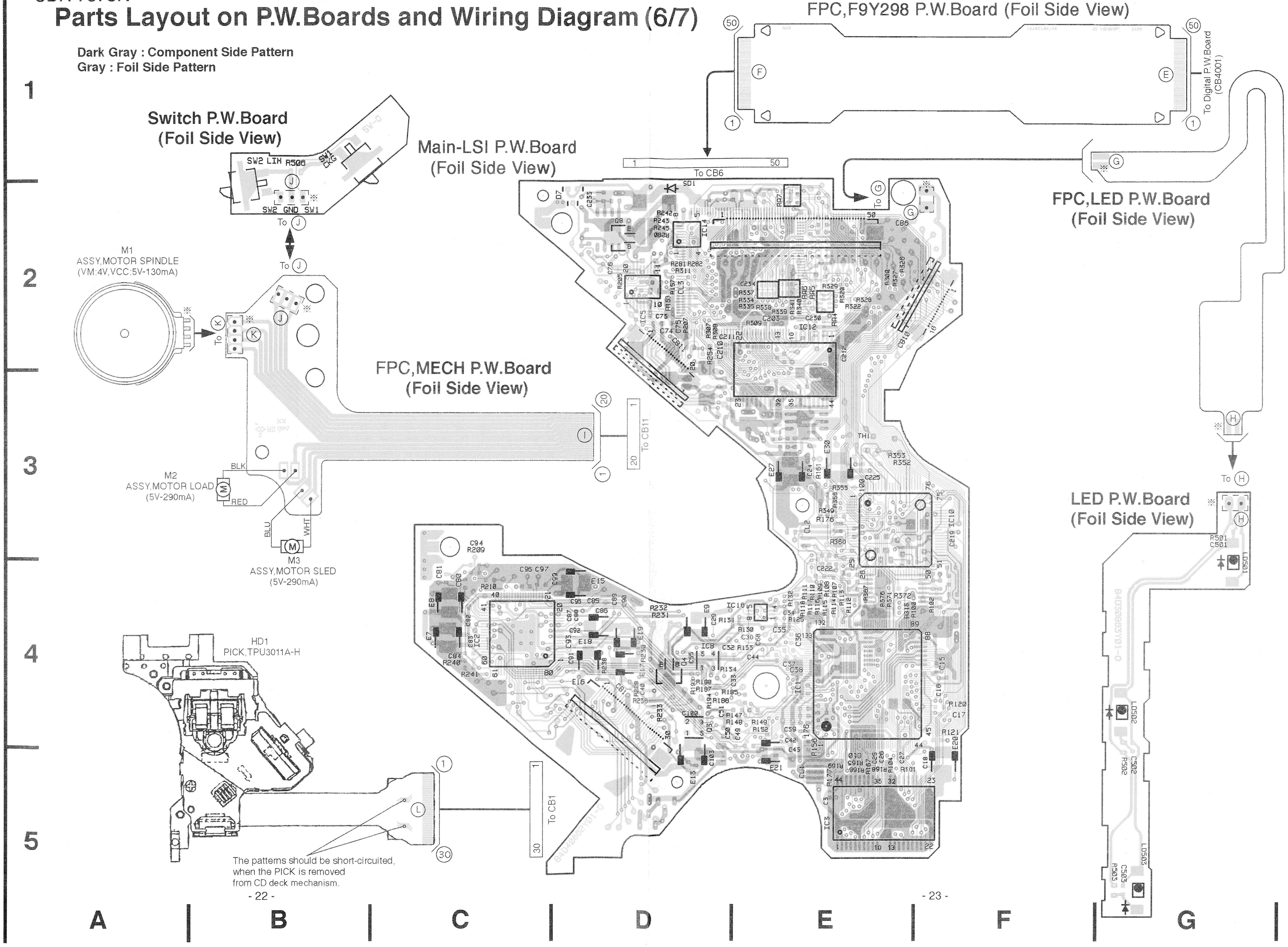

D402
Q405
R424
RA403
R451
R453
R445
R450
R459
C405
C406
C402
R449
R458
D401
ZD407
IC402
75
76
51
50
100
25
26
1
R434
RA404
C408
C409
R437
R436
C412
C410
C411
R440
RA402
C401
R409
R416
R415
IC401
80
61
41
40
21
20
E401
C413
ZD408
C415
C414
RA401
C416
R444
84D50131Y01-0
PANEL. FRONT
R414
C407
C406
R411
R412
R408
D409
D407
D408
D405
D411
D406
R446
C404
Q406
C418
R471
R407
R406
R405
R404
R401
R403
R452
R402
R426
R425
Q404
Q403
R461
R460
R422
R417
R418
CH401
9
15
1
8
R457
R400
Q402
R413
ZD409
ZD410
To CH401
9
15
1
8
To ASSY,UNIZON CONN 033 (CH501)

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

A B C D E F G

# Parts Layout on P.W.Boards and Wiring Diagram (6/7)

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern


FPC,F9Y298 P.W.Board (Foil Side View)
(50)
(1)
F
E
To Digital P.W.Board (CB4001)
Switch P.W.Board (Foil Side View)
SW2 LIM R506 SW1 CKG
SW2 GND SW1
J
To J
Main-LSI P.W.Board (Foil Side View)
To CB6
1 50
SD1
To G
G
CB6
IC14
IC5
IC12
IC10
IC16
IC8
IC1
IC3
IC2
TH1
FPC,LED P.W.Board (Foil Side View)
M1
ASSY,MOTOR SPINDLE
(VM:4V,VCC:5V-130mA)
To K
K
FPC,MECH P.W.Board (Foil Side View)
(20)
(1)
I
To CB11
1 20
M2
ASSY,MOTOR LOAD
(5V-290mA)
BLK
RED
BLU
WHT
M3
ASSY,MOTOR SLED
(5V-290mA)
HD1
PICK,TPU3011A-H
L
(1)
(30)
To CB1
1 30
The patterns should be short-circuited, when the PICK is removed from CD deck mechanism.
H
To H
LED P.W.Board (Foil Side View)
R501
C501
LD501
LD502
R502
C502
LD503
R503
C503
1
2
3
4
5
A
B
C
D
E
F
G

# Parts Layout on P.W.Boards and Wiring Diagram (7/7)

1

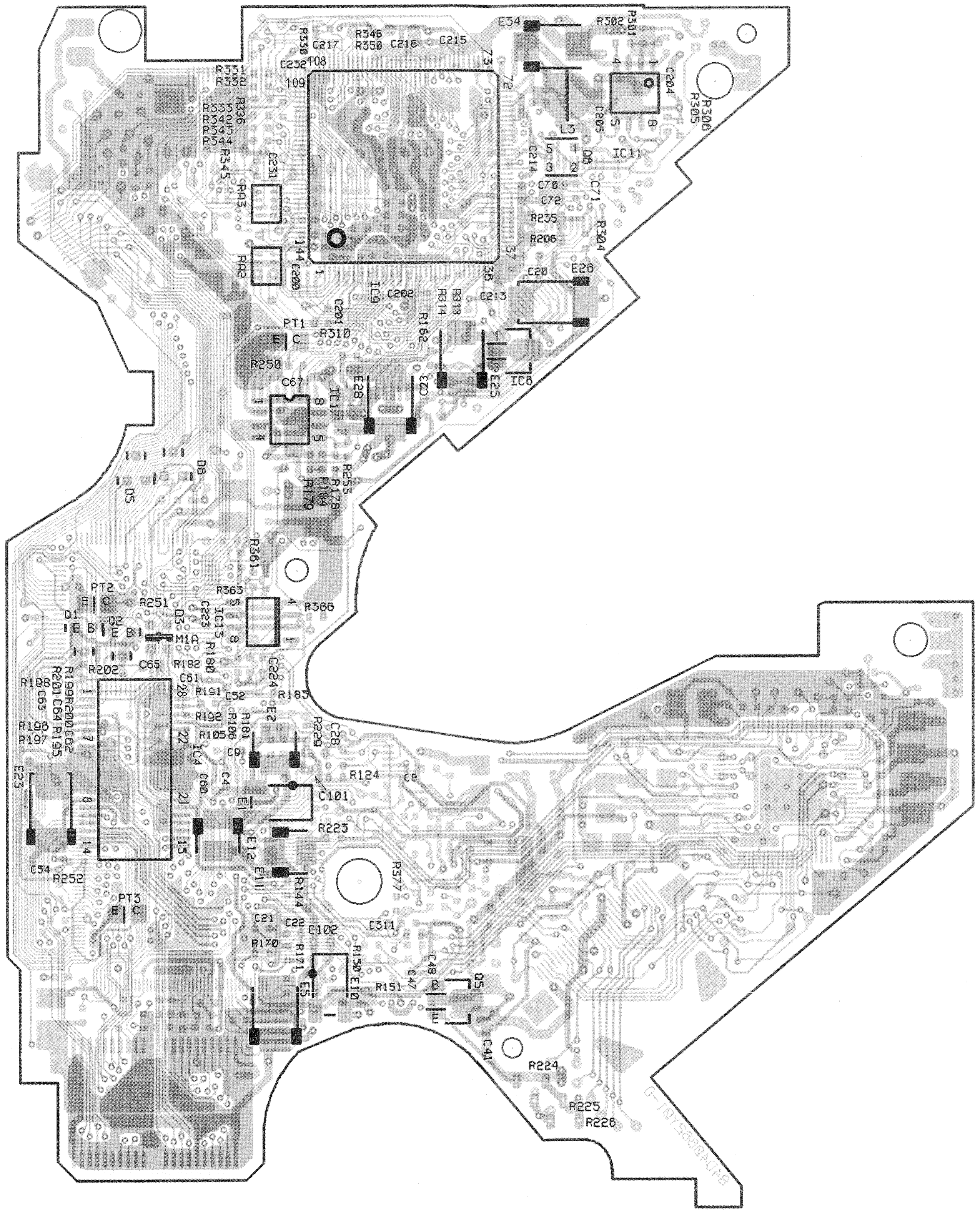
2

3

4

5

## Main-LSI P.W.Board (Component Side View)

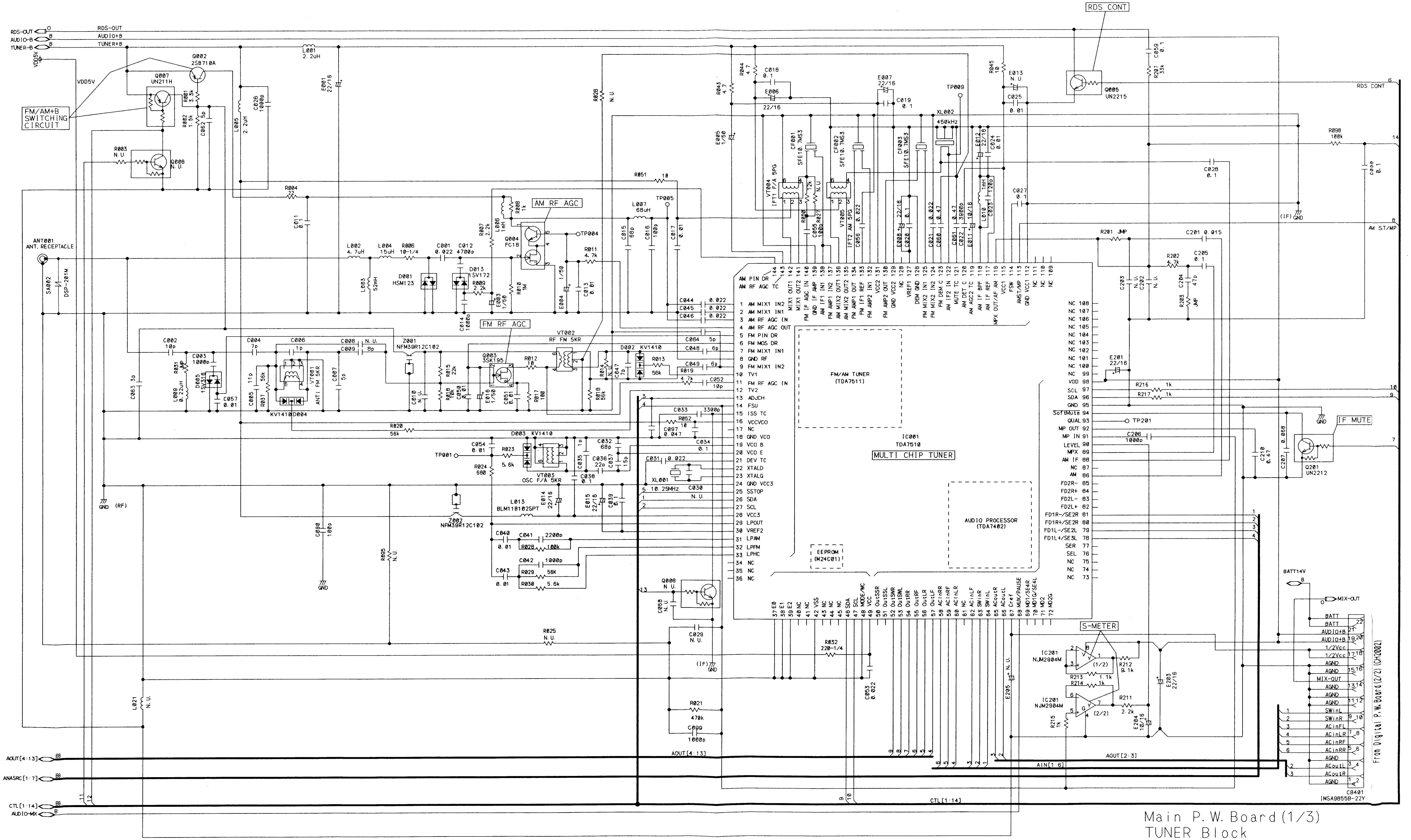

E34
R302
R301
R345
R350
C217
C216
C215
R330
C232
108
109
73
72
R331
R332
R333
R336
R342
R343
R344
R345
C204
R306
R305
C205
L3
IC11
C214
D8
C71
C70
C72
R235
R206
R304
C231
RA3
RA2
144
C200
1
36
37
IC9
C202
R313
R314
C213
C20
E26
PT1
E
C
R310
C201
R162
R250
C67
IC17
E28
C3
E25
IC6
8
4
5
D6
D5
R253
R178
R184
R179
R361
PT2
R563
R251
R366
D1
Q2
D3
IC15
C223
M1A
B
R202
C65
R182
R180
C224
R198
R199
R200
R201
C62
C63
C64
R195
C61
R191
C52
R183
R196
R197
R192
R181
R105
E2
R220
C28
C9
IC4
C60
C4
R124
C8
C101
E1
R223
E23
7
22
21
15
14
E12
E11
C54
R252
R144
R377
PT3
C21
C22
C102
C311
R170
R171
R150
E10
C47
C48
Q5
R151
E5
C41
R224
R225
R226

**Dark Gray : Component Side Pattern**
**Gray : Foil Side Pattern**

A | B | C | D | E | F | G

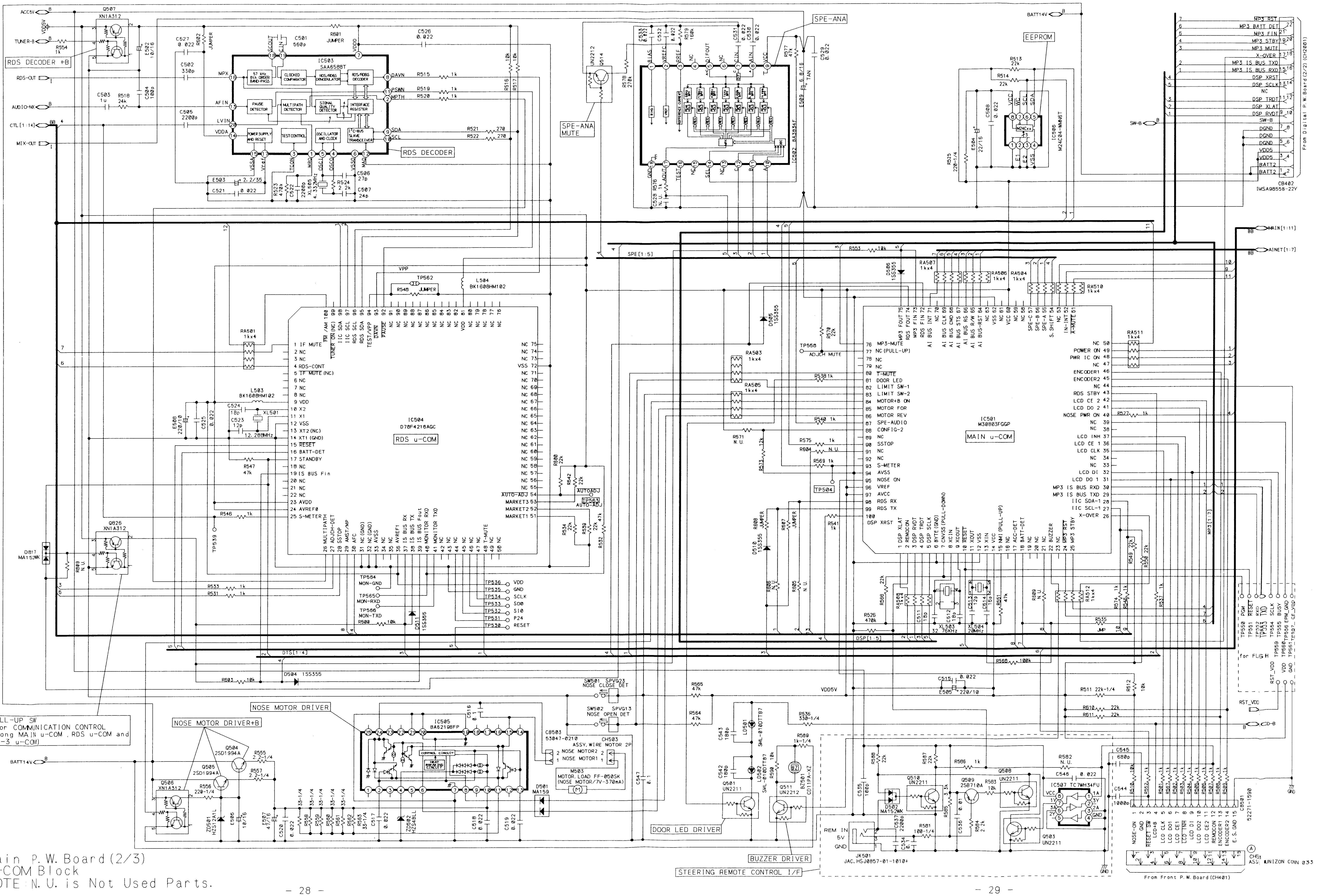
CDA-7878R

# Schematic Diagram (1/10)


RDS-OUT
AUDIO+B
TUNER+B
VDD5V
FM/AM+B SWITCHING CIRCUIT
Q002 2SB710A
Q007 UN211H
Q006 N.U.
R003 N.U.
R004
L001 2.2uH
L005 2.2uH
C026 1000p
E001 22/16
ANT001 ANT. RECEPTACLE
SA002 DSP-201M
L002 4.7uH
L004 15uH
R006 10-1/4
C001 0.022
C012 4700p
L003 52nH
D001 HSM123
D013 SV172
R009 2.2k
AM RF AGC
Q004 FC1B
TP004
R011 4.7k
FM RF AGC
VT002 RF FM 5KR
Q003 3SK195
VT001 ANTI FM 5KR
Z001 NFM39R12C102
D002 KV1410
D003 KV1410
D004 KV1410
VT003 OSC F/A 5KR
L013 BLM11B102SPT
Z002 NFM39R12C102
TP001
TP005
L007 68uH
R051 10
R020 56k
R025 N.U.
L021 N.U.
GND (RF)
Q008 N.U.
XL001 10.25MHz
C030 N.U.
R021 470k
C099 1000p
R032 220-1/4
C053 0.022
R028 N.U.
R043 4.7
R044 4.7
C018 0.1
E006 22/16
E005 1/50
E007 22/16
C019 0.1
TP009
XL002 450kHz
CF001 SFE10.7MS3
CF002 SFE10.7MS3
CF003 SFE10.7MS3
VT004 IFT1 F/A 5PG
VT005 IFT2 AM 5PG
R045 10
E013 N.U.
C025 0.01
RDS CONT
Q005 UN2215
R207 33k
C059 0.1
R098 100k
C028 0.1
C099 0.1
C027 0.1
(IF) GND
R201 JMP
C201 0.015
R202 4.7k
C205 0.1
R203 JMP
C204 47p
C202 N.U.
C203 N.U.
E201 22/16
R216 1k
R217 1k
TP201
C206 1000p
IF MUTE
Q201 UN2212
C207 0.068
C210 0.47
IC001 TDA7510
MULTI CHIP TUNER
FM/AM TUNER (TDA7511)
AUDIO PROCESSOR (TDA7402)
EEPROM (M24C01)
1 AM MIX1 IN2
2 AM MIX1 IN1
3 AM RF AGC IN
4 AM RF AGC OUT
5 FM PIN DR
6 FM MOS DR
7 FM MIX1 IN1
8 GND RF
9 FM MIX1 IN2
10 TV1
11 FM RF AGC IN
12 TV2
13 ADJCH
14 FSU
15 ISS TC
16 VCCVCO
17 NC
18 GND VCO
19 VCO B
20 VCO E
21 DEV TC
22 XTALD
23 XTALG
24 GND VCC3
25 SSTOP
26 SDA
27 SCL
28 VCC3
29 LPOUT
30 VREF2
31 LPAM
32 LPFM
33 LPHC
34 NC
35 NC
36 NC
37 E0
38 E1
39 E2
40 NC
41 NC
42 VSS
43 NC
44 NC
45 NC
46 SDA
47 SCL
48 MODE/NC
49 VCC
50 OutSSR
51 OutSSL
52 OutSWL
53 OutSWR
54 OutRR
55 OutRF
56 OutLR
57 OutLF
58 ACinRF
59 ACinRR
60 ACinLR
61 NC
62 ACinLF
63 SWinR
64 SWinL
65 ACoutL
66 ACoutR
67 Cref
68 MUX/PAUSE
69 MD1/SE4R
70 MD1G/SE4L
71 MD2
72 MD2G
73 NC
74 NC
75 NC
76 SEL
77 SER
78 FD1L+/SE3L
79 FD1L-/SE2L
80 FD1R+/SE2R
81 FD1R-/SE2R
82 FD2L+
83 FD2L-
84 FD2R+
85 FD2R-
86 AM
87 NC
88 AM IF
89 MPX
90 LEVEL
91 MP IN
92 MP OUT
93 QUAL
94 SoftMute
95 GND
96 SDA
97 SCL
98 VDD
99 NC
100 NC
101 NC
102 NC
103 NC
104 NC
105 NC
106 NC
107 NC
108 NC
109 NC
110 NC
111 NC
112 GND VCC1
113 AMST/MP
114 FSW
115 VCC1
116 MPX OUT/AF AM
117 AM IF REF
118 AM IF BPF
119 AM AGC2 TC
120 AM DET C
121 MUTE TC
122 AM IF2 IN
123 FM DEM C
124 FM MIX2 IN2
125 FM MIX2 IN1
126 DEM GND
127 VREF1
128 NC
129 GND VCC2
130 FM AMP2 OUT
131 VCC2
132 FM AMP2 IN1
133 FM IF1 REF
134 FM AMP1 OUT
135 AM MIX2 OUT2
136 AM MIX2 OUT1
137 AM AMP1 IN2
138 AM IF1 IN1
139 GND IF AMP
140 FM IF AGC IN
141 MIX1 OUT2
142 MIX1 OUT1
143 AM RF AGC TC
144 AM PIN DR
S-METER
IC201 NJM2904M (1/2)
IC201 NJM2904M (2/2)
R212 9.1k
R213 1.1k
R214 1k
R211 2.2k
R215 1k
E203 22/16
E204 10/16
E205 N.U.
BATT14V
MIX-OUT
BATT
AUDIO+B
1/2Vcc
AGND
MIX-OUT
SWinL
SWinR
ACinFL
ACinLR
ACinRF
ACinRR
ACoutL
ACoutR
CB401 INSA9855B-22Y
From Digital P.W.Board (2/2) (CH2002)
AOUT[4:13]
ANASRC[1:7]
CTL[1:14]
AUDIO-MX
AIN[1:6]
AOUT[2:3]
CTL[1:14]
RDS CONT
AM ST/MP

Main P. W. Board (1/3)
TUNER Block
NOTE: N. U. is Not Used Parts.

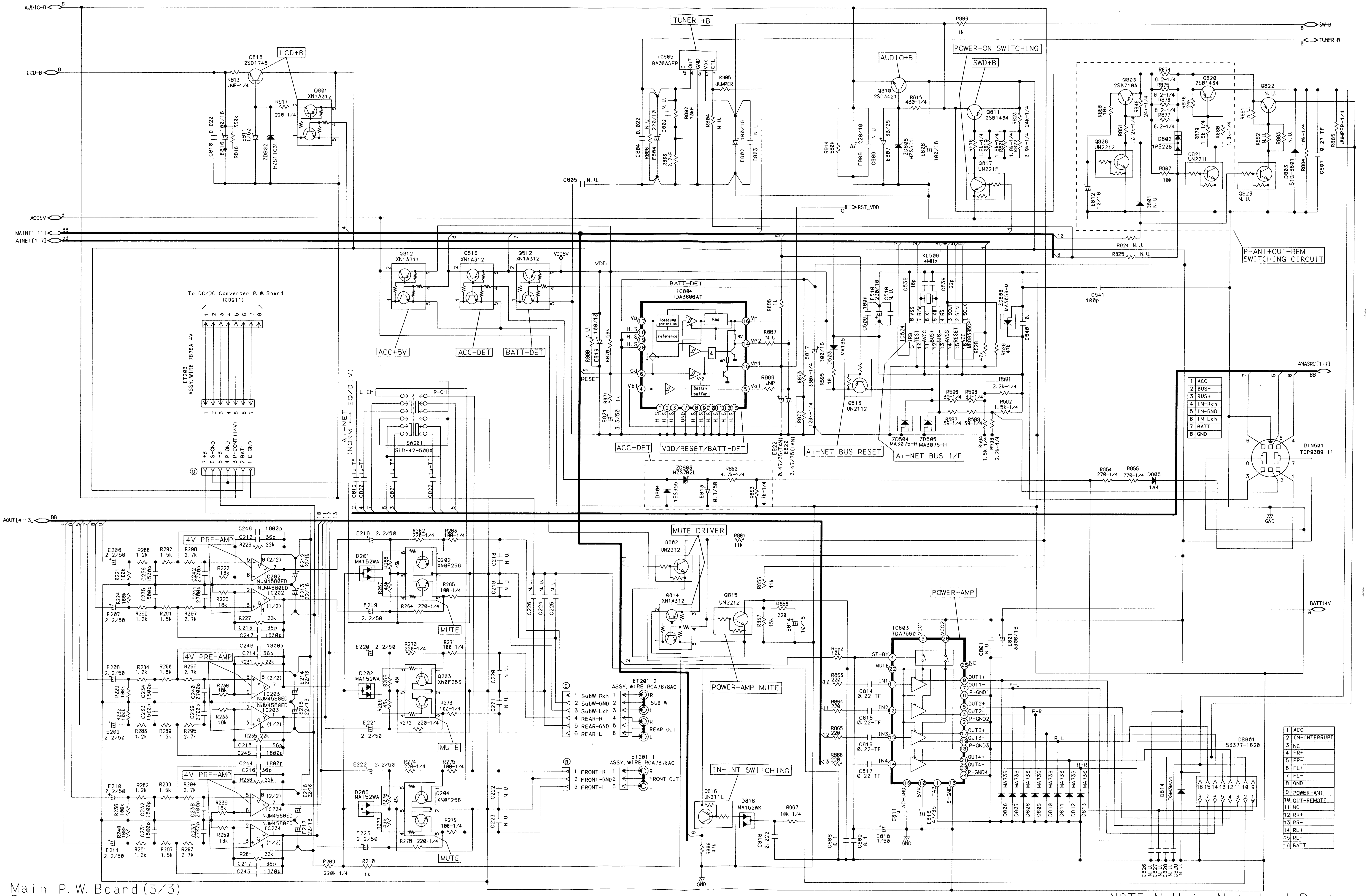
# Schematic Diagram (2/10)


RDS DECODER +B
Q507 XN1A312
IC503 SAA6588T
RDS DECODER
IC504 D78F4216AGC
RDS u-COM
SPE-ANA
SPE-ANA MUTE
Q514 UN2212
IC502 BA3834F
EEPROM
IC506 M24C04-WMN6T
CB402 IMSA9855B-22Y
From Digital P.W.Board(2/2)(CH2001)
IC501 M30803FGGP
MAIN u-COM
MAIN[1:11]
AINET[1:7]
SPE[1:5]
DSP[1:5]
DTS[1:4]
Q826 XN1A312
D817 MA152WK
PULL-UP SW (for COMMUNICATION CONTROL among MAIN u-COM, RDS u-COM and MP-3 u-COM)
NOSE MOTOR DRIVER+B
NOSE MOTOR DRIVER
IC505 BA6219BFP
CB503 53047-0210
CH503 ASSY,WIRE MOTOR 2P
M503 MOTOR,LOAD FF-050SK (NOSE MOTOR/7V-370mA)
SW501 SPVG23 NOSE CLOSE DET
SW502 SPVG13 NOSE OPEN DET
DOOR LED DRIVER
BUZZER DRIVER
STEERING REMOTE CONTROL I/F
JK501 JAC,HSJ0857-01-1010+
IC507 TC7WH34FU
CB501 52271-1590
CH501 ASSY,UNIZON CONN 033
From Front P.W.Board(CH401)
for FLASH

Main P.W. Board (2/3)
u-COM Block
NOTE: N.U. is Not Used Parts.

CDA-7878R

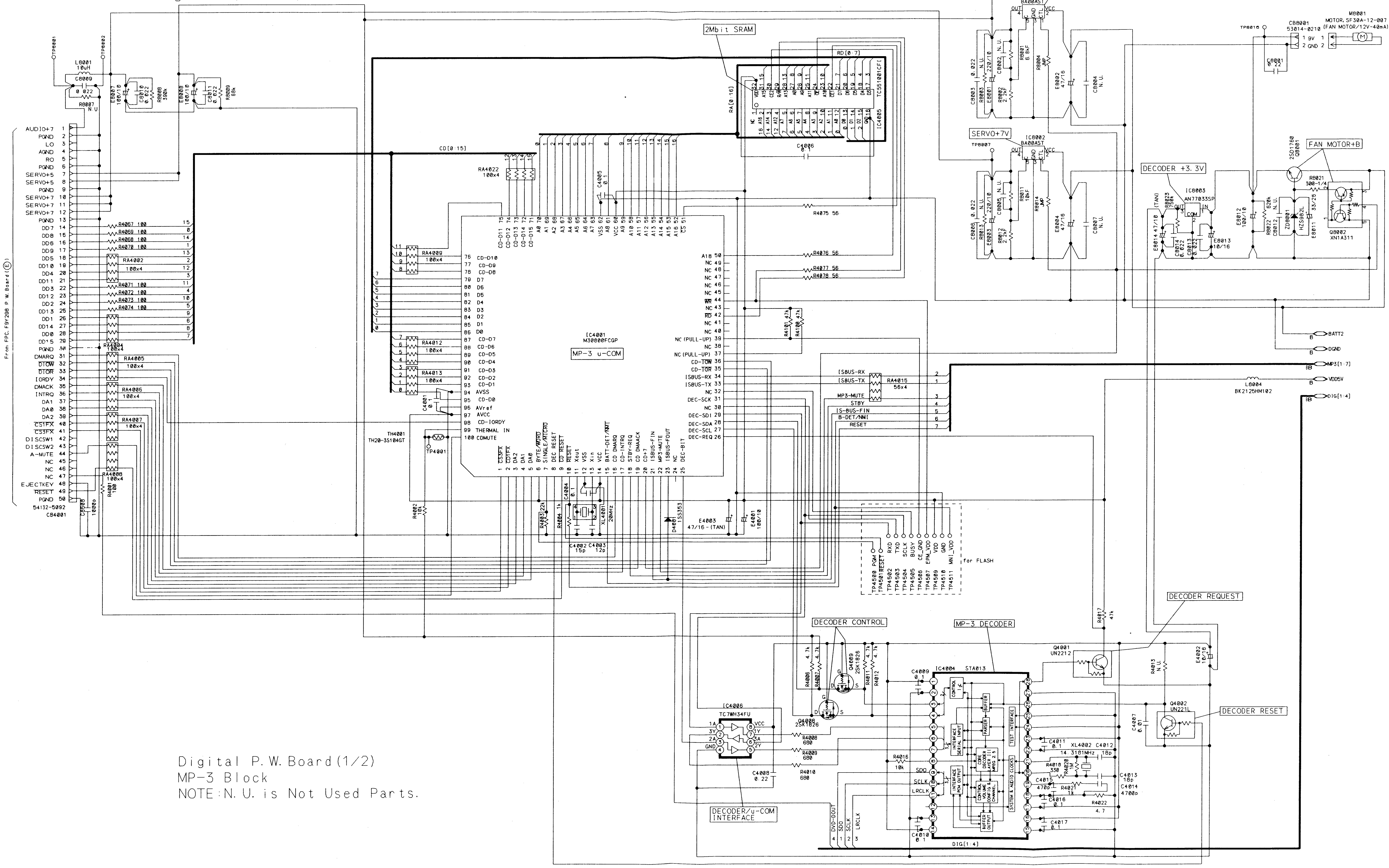
# Schematic Diagram (3/10)


AUDIO-B
LCD-B
ACC5V
MAIN[1 11]
AINET[1 7]
AOUT[4 13]
SW-B
TUNER-B
LCD+B
TUNER +B
AUDIO+B
POWER-ON SWITCHING
SWD+B
P-ANT+OUT-REM SWITCHING CIRCUIT
To DC/DC Converter P.W.Board (CB911)
ET203 ASSY.WIRE 7878A 4V
7 +B
6 S-GND
5 S-B
4 P-GND
3 P-CONT(14V)
2 BATT
1 E-GND
ACC+5V
ACC-DET
BATT-DET
VDD
VDD5V
IC804 TDA3606AT
loaddump protection
reference
Battery buffer
ACC-DET
VDD/RESET/BATT-DET
Ai-NET BUS RESET
Ai-NET BUS I/F
XL506 4MHz
M38305CPF
Ai-NET (NORM ←→ EQ/DIV)
L-CH
R-CH
SW201 SLD-42-500X
ANASRC[1 7]
1 ACC
2 BUS-
3 BUS+
4 IN-Rch
5 IN-GND
6 IN-Lch
7 BATT
8 GND
DIN501 TCP9309-11
GND
4V PRE-AMP
IC202 NJM4580ED
IC203 NJM4580ED
IC204 NJM4580ED
MUTE
MUTE DRIVER
POWER-AMP MUTE
IN-INT SWITCHING
ET201-2 ASSY.WIRE RCA7878A0
1 SubW-Rch
2 SubW-GND
3 SubW-Lch
4 REAR-R
5 REAR-GND
6 REAR-L
SUB-W
REAR OUT
ET201-1 ASSY.WIRE RCA7878A0
1 FRONT-R
2 FRONT-GND
3 FRONT-L
FRONT OUT
POWER-AMP
IC803 TDA7560
BATT14V
ST-BY
MUTE
IN1
IN2
IN3
IN4
OUT1+
OUT1-
P-GND1
OUT2+
OUT2-
P-GND2
OUT3+
OUT3-
P-GND3
OUT4+
OUT4-
P-GND4
AC-GND
SVR
TAB
S-GND
F-L
F-R
R-L
R-R
CN801 53377-1620
1 ACC
2 IN-INTERRUPT
3 NC
4 FR+
5 FR-
6 FL+
7 FL-
8 GND
9 POWER-ANT
10 OUT-REMOTE
11 NC
12 RR+
13 RR-
14 RL+
15 RL-
16 BATT

Main P.W.Board (3/3)
Power Supply Block

NOTE: N.U. is Not Used Parts.

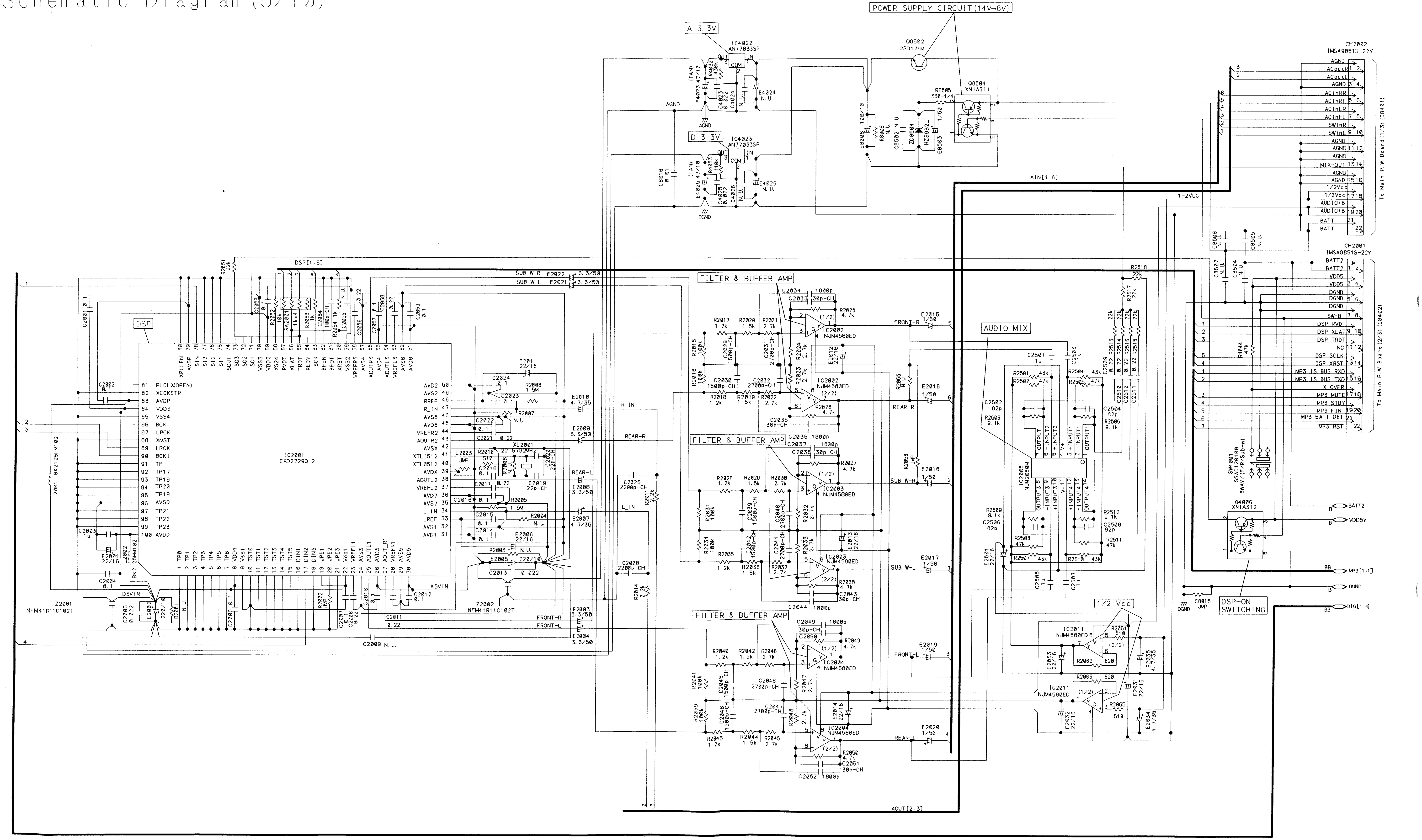
# Schematic Diagram (4/10)


2Mbit SRAM
TC551001CFI
IC4005
SERVO+5V
IC8001
BA00AST
SERVO+7V
IC8002
BA00AST
DECODER +3.3V
IC8003
AN77033SP
FAN MOTOR+B
M8001
MOTOR, SF30A-12-007
(FAN MOTOR/12V-40mA)
CB8001
53014-0210
Q8001
2SD1760
Q8002
XN1A311
IC4001
M30800FCGP
MP-3 u-COM
CD[0:15]
RA[0:16]
RD[0:7]
L8001
10uH
TP8001
TP8002
TP8005
TP8007
TP8016
TP4001
TH4001
TH20-3S104GT
XL4001
20MHz
D4001
1SS353
E4003
47/16-(TAN)
for FLASH
BATT2
DGND
MP3[1:7]
VDD5V
DIG[1:4]
L8004
BK2125HM102
DECODER REQUEST
DECODER RESET
DECODER CONTROL
MP-3 DECODER
IC4004 STA013
DECODER/u-COM INTERFACE
IC4006
TC7WH34FU
Q4008
2SK1826
Q4009
2SK1826
Q4001
UN2212
Q4002
UN221L
XL4002
14.3181MHz
DIG[1:4]
From FPC, F9Y290 P.W. Board (E)
54132-5092
CB4001
AUDIO+7 1
PGND 2
LO 3
AGND 4
RO 5
PGND 6
SERVO+5 7
SERVO+5 8
PGND 9
SERVO+7 10
SERVO+7 11
SERVO+7 12
PGND 13
DD7 14
DD8 15
DD6 16
DD9 17
DD5 18
DD10 19
DD4 20
DD11 21
DD3 22
DD12 23
DD2 24
DD13 25
DD1 26
DD14 27
DD0 28
DD15 29
PGND 30
DMARQ 31
DIOW 32
DIOR 33
IORDY 34
DMACK 35
INTRQ 36
DA1 37
DA0 38
DA2 39
CS1FX 40
CS3FX 41
DISCSW1 42
DISCSW2 43
A-MUTE 44
NC 45
NC 46
NC 47
EJECTKEY 48
RESET 49
PGND 50

Digital P.W. Board (1/2)
MP-3 Block
NOTE: N.U. is Not Used Parts.

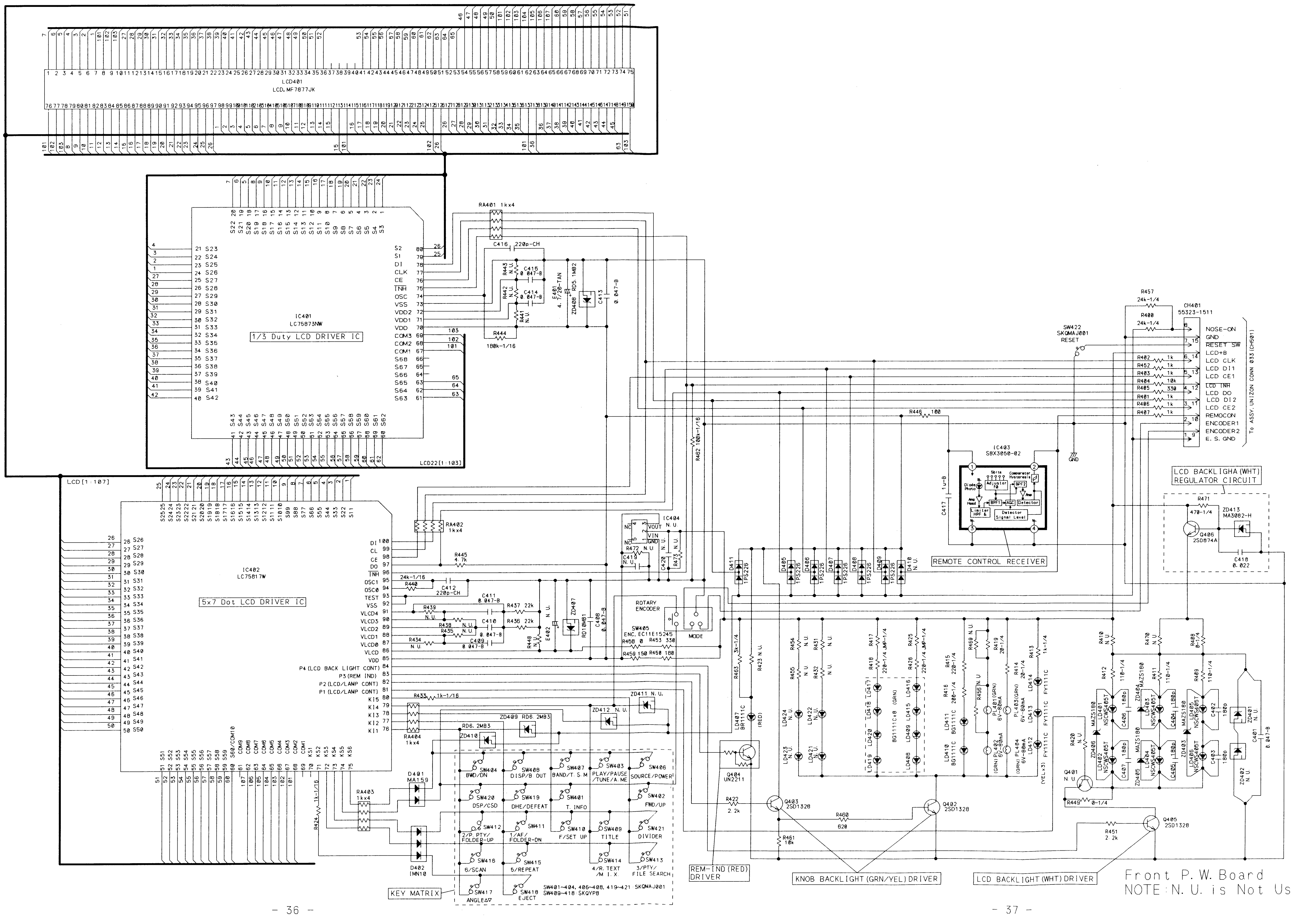
CDA-7878R

# Schematic Diagram (5/10)


POWER SUPPLY CIRCUIT(14V→8V)
A 3.3V
IC4022
AN77033SP
D 3.3V
IC4023
AN77033SP
AGND
DGND
Q8502
2SD1760
Q8504
XN1A311
CH2002
IMSA9851S-22Y
To Main P.W. Board(1/3) (CB401)
CH2001
IMSA9851S-22Y
To Main P.W. Board(2/3) (CB402)
AIN[1:6]
1-2VCC
DSP[1:5]
DSP
IC2001
CXD2720Q-2
XL2001
22.5792MHz
Z2001
NFM41R11C102T
Z2002
NFM41R11C102T
L2001
L2002
FILTER & BUFFER AMP
IC2002
NJM4580ED
FILTER & BUFFER AMP
IC2003
NJM4580ED
FILTER & BUFFER AMP
IC2004
NJM4580ED
AUDIO MIX
IC2005
1/2 Vcc
IC2011
NJM4580ED
SW4001
SSAC120100
3WAY(F/R/Sub-w)
Q4006
XN1A312
DSP-ON SWITCHING
BATT2
VDD5V
MP3[1:7]
DGND
DIG[1:4]
FRONT-R
REAR-R
SUB W-R
SUB W-L
FRONT-L
REAR-L
R_IN
L_IN
AOUT[2:3]

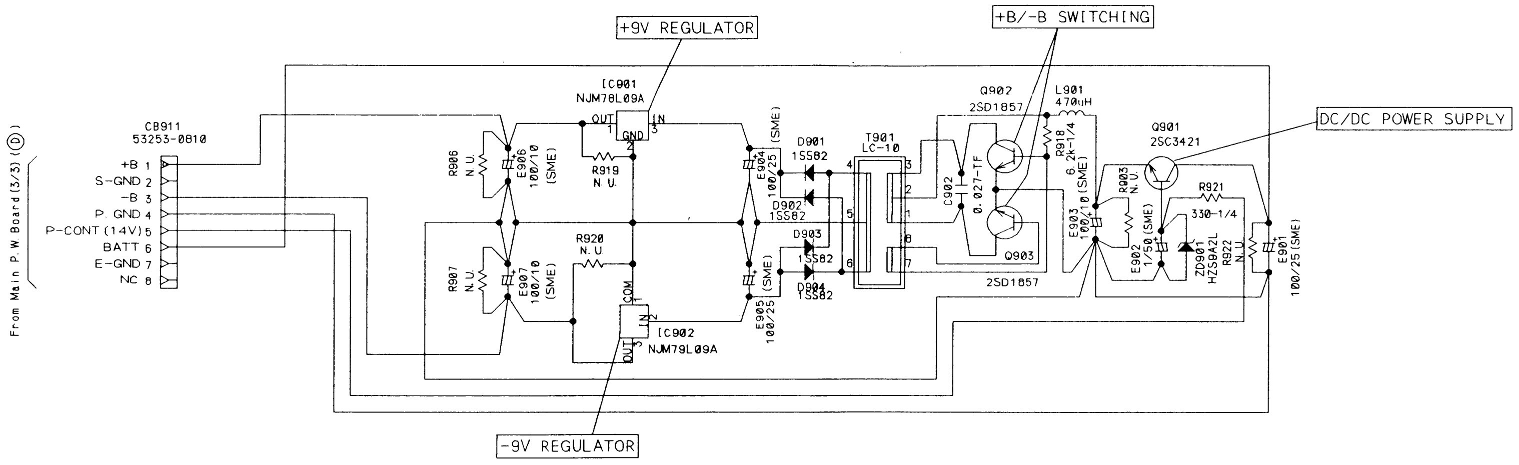
Digital P.W. Board (2/2)
DSP Block
NOTE: N.U. is Not Used Parts.

# Schematic Diagram(6/10)

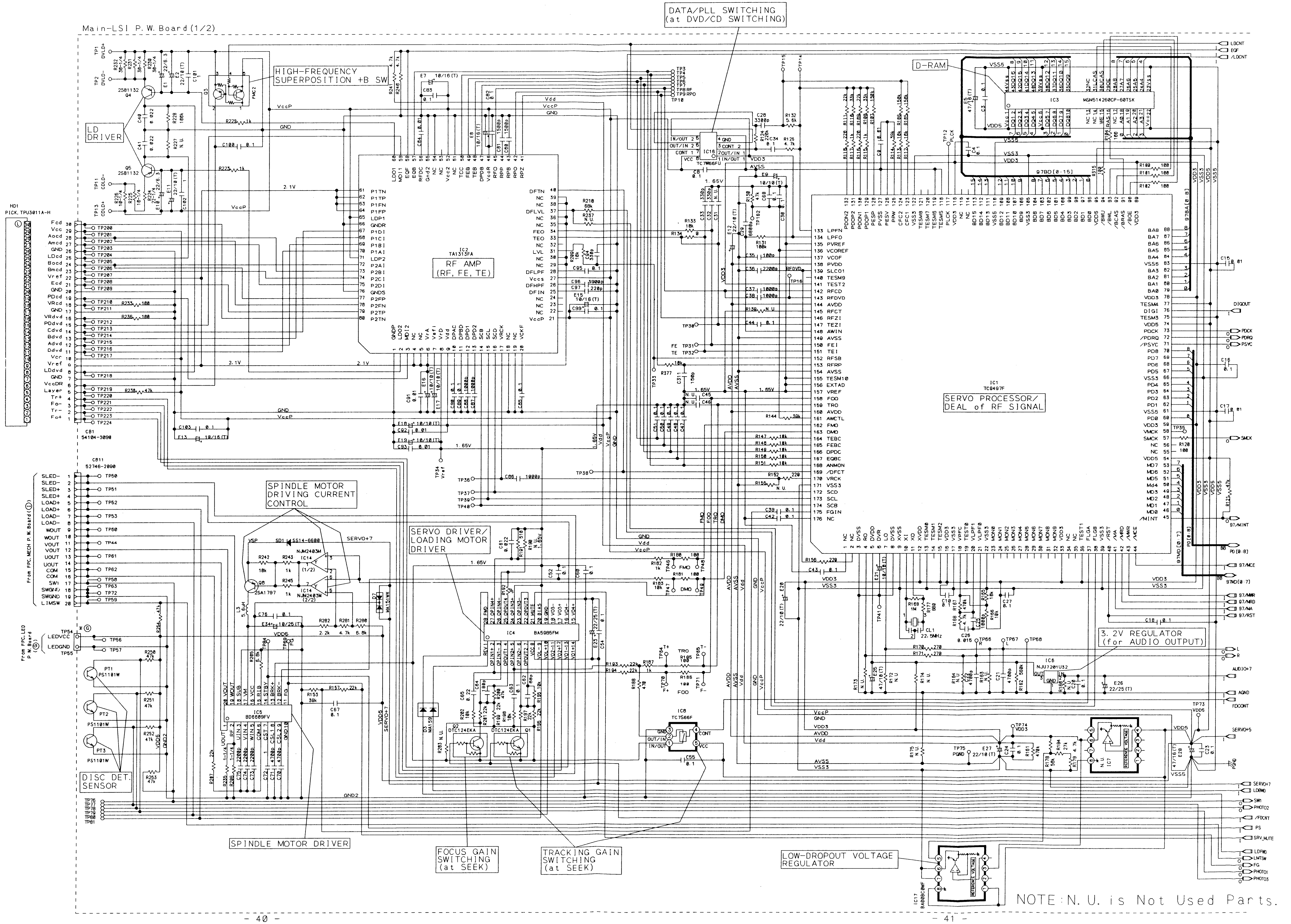

LCD401
LCD, MF7877JK
IC401
LC75873NW
1/3 Duty LCD DRIVER IC
IC402
LC75817W
5x7 Dot LCD DRIVER IC
RA401 1kx4
RA402 1kx4
RA403 1kx4
RA404 1kx4
C416 220p-CH
E401 4.7/20-TAN
ZD408 RD5.1MB2
R444 100k-1/16
LCD22[1:103]
LCD[1:107]
R445 4.7k
R440 24k-1/16
C412 220p-CH
ZD407 RD10MB1
E402
IC404 N.U.
ROTARY ENCODER
SW405 ENC. EC11E15245
MODE
P4(LCD BACK LIGHT CONT)
P3(REM IND)
P2(LCD/LAMP CONT)
P1(LCD/LAMP CONT)
ZD409 RD6.2MB3
ZD410
ZD411 N.U.
ZD412 N.U.
D401 MA159
D402 IMN10
SW404 BWD/DN
SW408 DISP/B OUT
SW407 BAND/T.S.M
SW403 PLAY/PAUSE /TUNE/A.ME
SW406 SOURCE/POWER
SW420 DSP/CSD
SW419 DHE/DEFEAT
SW401 T.INFO
SW402 FWD/UP
SW412 2/P.PTY/ FOLDER-UP
SW411 1/AF/ FOLDER-DN
SW410 F/SET UP
SW409 TITLE
SW421 DIVIDER
SW416 6/SCAN
SW415 5/REPEAT
SW414 4/R.TEXT /M.I.X.
SW413 3/PTY/ FILE SEARCH
SW417 ANGLEΔ∇
SW418 EJECT
SW401~404, 406~408, 419~421 SKQMAJ001
SW409~418 SKQYPB
KEY MATRIX
REM-IND(RED) DRIVER
Q404 UN2211
Q403 2SD1328
Q402 2SD1328
Q405 2SD1328
Q401 N.U.
Q406 2SD874A
ZD413 MA3082-H
IC403 SBX3050-02
REMOTE CONTROL RECEIVER
LCD BACKLIGHA(WHT) REGULATOR CIRCUIT
KNOB BACKLIGHT(GRN/YEL)DRIVER
LCD BACKLIGHT(WHT)DRIVER
SW422 SKQMAJ001 RESET
CH401 55323-1511
NOSE-ON
GND
RESET SW
LCD+B
LCD CLK
LCD DI1
LCD CE1
LCD INH
LCD DO
LCD DI2
LCD CE2
REMOCON
ENCODER1
ENCODER2
E.S. GND
To ASSY,UNIZON CONN 033(CH501)
R457 24k-1/4
R400 24k-1/4
R446 100
PL401(GRN) 6V-80mA
PL402(GRN) 6V-80mA
PL403(GRN) 6V-80mA
PL404(GRN) 6V-80mA
LD407 BR1111C (RED)
BG1111Cx8 (GRN)
LD410 BG1111C
LD411 BG1111C
LD412 FY1111C
LD413 FY1111C
LD414 FY1111C
(YELx3)
LD401 NSCW405T
LD402 NSCW405T
LD403 NSCW405T
LD404 NSCW405T
LD405 NSCW405T
LD406 NSCW405T
D405 1PS226
D406 1PS226
D407 1PS226
D408 1PS226
D409 1PS226
D411 1PS226
D410 N.U.
R460 620
R461 10k
R422 2.2k
R451 2.2k
R449 0-1/4

Front P.W. Board
NOTE:N.U. is Not Used Parts.

# CDA-7878R
# Schematic Diagram (7/10)

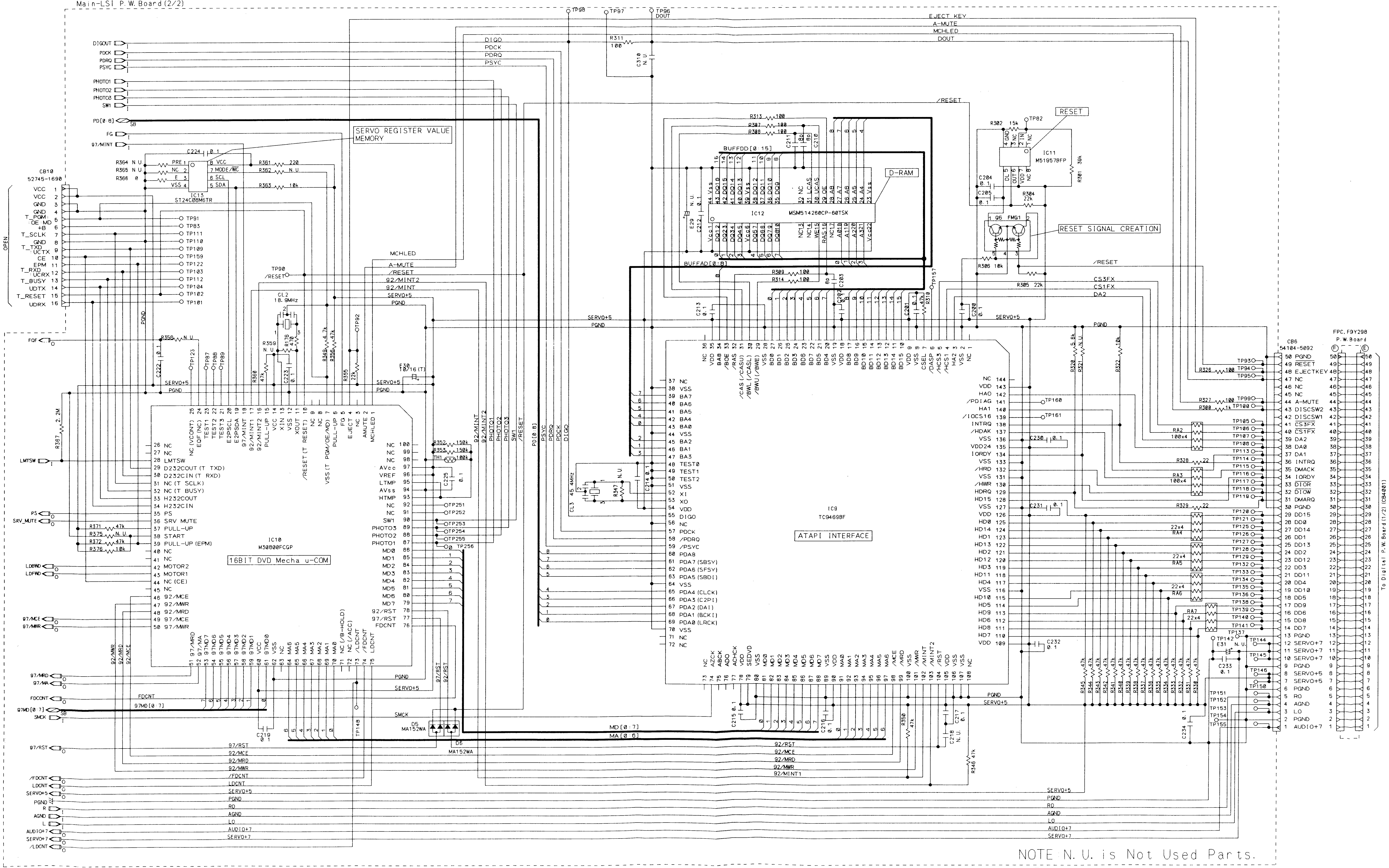

+9V REGULATOR
-9V REGULATOR
+B/-B SWITCHING
DC/DC POWER SUPPLY
From Main P.W. Board (3/3) (D)
CB911
53253-0810
+B 1
S-GND 2
-B 3
P. GND 4
P-CONT (14V) 5
BATT 6
E-GND 7
NC 8
IC901
NJM78L09A
OUT 1
IN 3
GND 2
R919
N.U.
R906
N.U.
E906
100/10
(SME)
R907
N.U.
E907
100/10
(SME)
R920
N.U.
COM 1
IN 2
OUT 3
IC902
NJM79L09A
E904
100/25
(SME)
E905
100/25
(SME)
D901
1SS82
D902
1SS82
D903
1SS82
D904
1SS82
T901
LC-10
Q902
2SD1857
Q903
2SD1857
C902
0.027-TF
L901
470uH
R918
6.2k-1/4
(SME)
E903
100/10 (SME)
R903
N.U.
Q901
2SC3421
R921
330-1/4
E902
1/50 (SME)
ZD901
HZS9A2L
R922
N.U.
E901
100/25 (SME)

DC/DC Converter P.W. Board
NOTE: N.U. is Not Used Parts.


Main-LSI P. W. Board (1/2)
DATA/PLL SWITCHING (at DVD/CD SWITCHING)
HIGH-FREQUENCY SUPERPOSITION +B SW
LD DRIVER
D-RAM
IC3 MSM514260CP-60TSK
IC2 TA1313FA
RF AMP (RF, FE, TE)
IC16 TC7W66FU
IC1 TC9497F
SERVO PROCESSOR/ DEAL of RF SIGNAL
HD1 PICK, TPU3011A-H
CB1 54104-3090
CB11 52746-2090
From FPC, MECH P. W. Board (I)
SPINDLE MOTOR DRIVING CURRENT CONTROL
SERVO DRIVER/ LOADING MOTOR DRIVER
IC14 NJM2403M
IC4 BA5986FM
IC5 BD6609FV
IC8 TC7S66F
IC6 NJU7201U32
IC7
IC17 BA00BC0WF
3.2V REGULATOR (for AUDIO OUTPUT)
From FPC, LED P. W. Board (G)
DISC DET. SENSOR
PT1 PS1101W
PT2 PS1101W
PT3 PS1101W
SPINDLE MOTOR DRIVER
FOCUS GAIN SWITCHING (at SEEK)
TRACKING GAIN SWITCHING (at SEEK)
LOW-DROPOUT VOLTAGE REGULATOR
REFERENCE VOLTAGE
NOTE: N. U. is Not Used Parts.

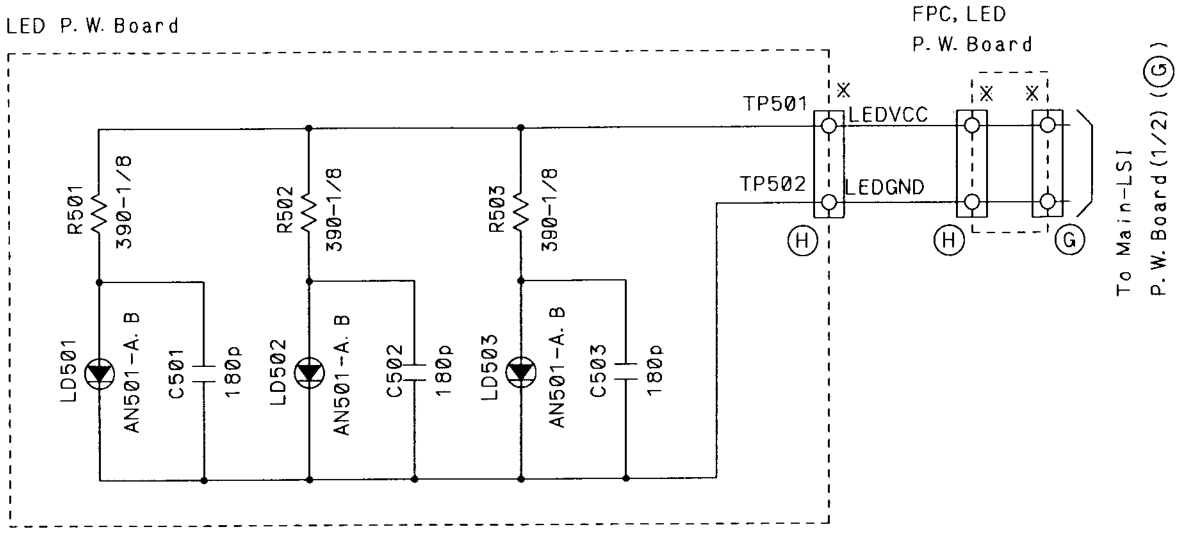
# Schematic Diagram (9/10)

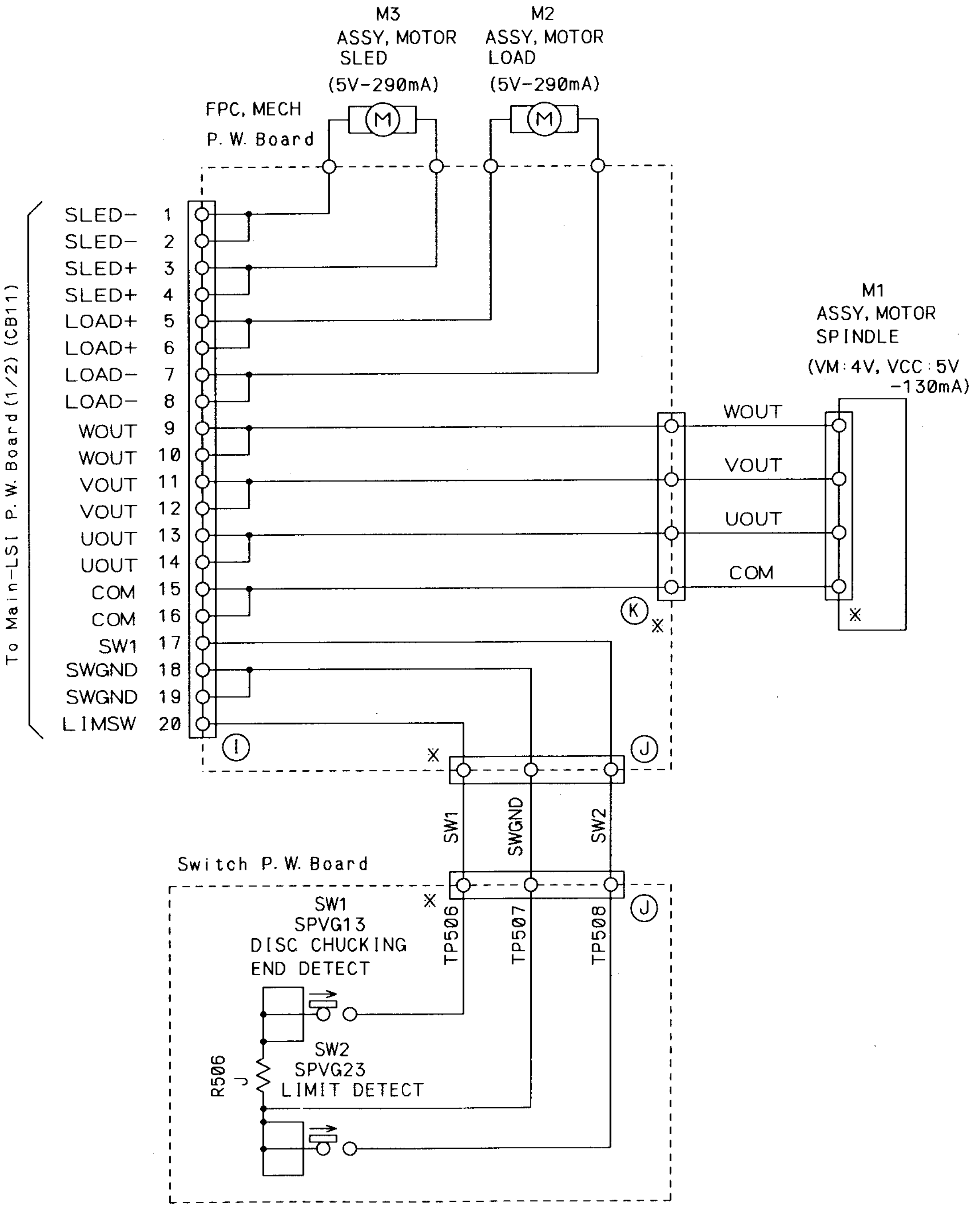
Main-LSI P.W. Board (2/2)


SERVO REGISTER VALUE MEMORY
IC13 ST24C08M6TR
CB10 52745-1690
OPEN
CL2 18.9MHz
IC10 M30800FCGP
16BIT DVD Mecha u-COM
D5 MA152WA
D6 MA152WA
MD[0:7]
MA[0:6]
BUFFDD[0:15]
BUFFAD[0:8]
D-RAM
IC12 MSM514260CP-60TSK
RESET
IC11 M51957BFP
Q6 FMG1
RESET SIGNAL CREATION
CL3 45.4MHz
IC9 TC9469BF
ATAPI INTERFACE
CB6 54104-5092
FPC, F9Y298 P.W. Board
To Digital P.W. Board(1/2) (CB4001)
EJECT KEY
A-MUTE
MCHLED
DOUT
DIGO
PDCK
PDRQ
PSYC
/RESET
SERVO+5
PGND
CS3FX
CS1FX
DA2
97MD[0:7]
97/RST
92/MCE
92/MRD
92/MWR
/FDCNT
LDCNT
RO
AGND
LO
AUDIO+7
SERVO+7
92/MINT1
SMCK
FDCNT

NOTE N.U. is Not Used Parts.

# Schematic Diagram (10/10)


LED P. W. Board
FPC, LED
P. W. Board
TP501
LEDVCC
TP502
LEDGND
※
Ⓗ
Ⓖ
To Main-LSI
P. W. Board (1/2) (Ⓖ)
R501
390-1/8
R502
390-1/8
R503
390-1/8
LD501
AN501-A. B
LD502
AN501-A. B
LD503
AN501-A. B
C501
180p
C502
180p
C503
180p


M3
ASSY, MOTOR
SLED
(5V-290mA)
M2
ASSY, MOTOR
LOAD
(5V-290mA)
FPC, MECH
P. W. Board
M1
ASSY, MOTOR
SPINDLE
(VM : 4V, VCC : 5V
-130mA)
To Main-LSI P. W. Board (1/2) (CB11)
SLED- 1
SLED- 2
SLED+ 3
SLED+ 4
LOAD+ 5
LOAD+ 6
LOAD- 7
LOAD- 8
WOUT 9
WOUT 10
VOUT 11
VOUT 12
UOUT 13
UOUT 14
COM 15
COM 16
SW1 17
SWGND 18
SWGND 19
LIMSW 20
WOUT
VOUT
UOUT
COM
Ⓚ
※
Ⓘ
Ⓙ
SW1
SWGND
SW2
Switch P. W. Board
SW1
SPVG13
DISC CHUCKING
END DETECT
TP506
TP507
TP508
R506
J
SW2
SPVG23
LIMIT DETECT

# Terminal Voltage of IC/TR

| IC001-1 | | | | | |
|---|---|---|---|---|---|
| 1 | 0/2.37/0 | FM/MW/DISC | 46 | PS/PS/PS | FM/MW/DISC |
| 2 | 0/2.37/0 | | 47 | PS/PS/PS | |
| 3 | 0/2.37/0 | | 48 | 0/0/0 | |
| 4 | 0/1.89/0 | | 49 | 5.02/5.02/5.02 | |
| 5 | 0/0/0 | | 50 | NC | |
| 6 | 7.72/7.72/0.3 | | 51 | NC | |
| 7 | 1.96/0/0 | | 52 | 4.4/4.4/4.4 | |
| 8 | 0/0/0 | | 53 | 4.4/4.4/4.4 | |
| 9 | 1.96/0/0 | | 54 | 4.4/4.4/4.4 | |
| 10 | 2.79/4.21/0 | | 55 | 4.4/4.4/4.4 | |
| 11 | 0.77/0.77/0 | | 56 | 4.4/4.4/4.4 | |
| 12 | 2.75/3.3/0 | | 57 | 4.4/4.4/4.4 | |
| 13 | 0.1/0.1/0 | | 58 | 4.4/4.4/4.4 | |
| 14 | 4.45/1.84/0 | | 59 | 4.4/4.4/4.4 | |
| 15 | 0/0/0 | | 60 | 4.4/4.4/4.4 | |
| 16 | 8.49/8.49/0 | | 61 | NC | |
| 17 | NC | | 62 | 4.4/4.4/4.4 | |
| 18 | 0/0/0 | | 63 | 4.4/4.4/4.4 | |
| 19 | 3.83/3.83/0 | | 64 | 4.4/4.4/4.4 | |
| 20 | 3.34/3.35/0 | | 65 | 4.4/4.4/4.4 | |
| 21 | PS/PS/0 | | 66 | 4.4/4.4/4.4 | |
| 22 | PS/PS/0 | | 67 | 4.4/4.4/4.4 | |
| 23 | 1.8/1.8/0 | | 68 | 4.4/4.4/4.4 | |
| 24 | 0/0/0 | | 69 | NC | |
| 25 | 0.04/0.05/0 | | 70 | NC | |
| 26 | PS/PS/PS | | 71 | NC | |
| 27 | PS/PS/PS | | 72 | NC | |
| 28 | 8.5/8.5/0 | | 73 | NC | |
| 29 | 2.7/4.23/0 | | 74 | NC | |
| 30 | 2.48/2.48/0.3 | | 75 | NC | |
| 31 | 2.49/2.48/0 | | 76 | NC | |
| 32 | 2.48/2.48/0 | | 77 | NC | |
| 33 | 2.48/2.48/0 | | 78 | 4.4/4.4/4.4 | |
| 34 | NC | | 79 | 4.4/4.4/4.4 | |
| 35 | NC | | 80 | 4.4/4.4/4.4 | |
| 36 | NC | | 81 | 4.4/4.4/4.4 | |
| 37 | 0/0/0 | | 82 | NC | |
| 38 | 0/0/0 | | 83 | NC | |
| 39 | 0/0/0 | | 84 | NC | |
| 40 | NC | | 85 | NC | |
| 41 | NC | | 86 | 4.4/4.4/4.4 | |
| 42 | 0/0/0 | | 87 | NC | |
| 43 | NC | | 88 | 4.4/4.4/4.4 | |
| 44 | NC | | 89 | 4.4/4.4/4.4 | |
| 45 | NC | | 90 | 3.9/4.9/0 | |

| IC001-2 | | | | | |
|---|---|---|---|---|---|
| 91 | 0/0/0 | FM/MW/DISC | 118 | 1.5/3.7/0.4 | FM/MW/DISC |
| 92 | 4.4/4.4/4.4 | | 119 | 0.3/3.0/0.4 | |
| 93 | 0.2/0.2/0.2 | | 120 | 0.67/3.0/0 | |
| 94 | 3.67/3.67/3.67 | | 121 | 2.85/1.68/0 | |
| 95 | 0/0/0 | | 122 | 1.5/3.7/0.36 | |
| 96 | PS/5.0/5.0 | | 123 | 2.5/2.5/0 | |
| 97 | PS/5.0/5.0 | | 124 | 4.2/4.2/0 | |
| 98 | 8.9/8.9/8.9 | | 125 | 4.2/4.2/0 | |
| 99 | NC | | 126 | 0/0/0 | |
| 100 | NC | | 127 | 5.0/5.0/0 | |
| 101 | NC | | 128 | NC | |
| 102 | NC | | 129 | 0/0/0 | |
| 103 | NC | | 130 | 3.85/3.71/0 | |
| 104 | NC | | 131 | 7.78/7.64/0 | |
| 105 | NC | | 132 | 1.95/1.90/0 | |
| 106 | NC | | 133 | 1.85/1.90/0 | |
| 107 | NC | | 134 | 3.88/3.75/0 | |
| 108 | NC | | 135 | 8.47/8.43/0 | |
| 109 | NC | | 136 | 8.47/8.43/0 | |
| 110 | NC | | 137 | 1.95/1.88/0 | |
| 111 | NC | | 138 | 195/1.88/0 | |
| 112 | 0/0/0 | | 139 | 0/0/0 | |
| 113 | 0/0/0 | | 140 | 3.56/3.57/0 | |
| 114 | 4.1/4.2/0 | | 141 | 8.43/8.46/0 | |
| 115 | 8.4/8.4/0 | | 142 | 8.44/8.46/0 | |
| 116 | 2.9/2.9/0 | | 143 | 6.77/3.84/0 | |
| 117 | 1.6/3.7/0.4 | | 144 | 0/0.37/0 | |

| IC201 | | |
|---|---|---|
| 1 | 7.08/7.08/7.08 | FM/MW/DISC |
| 2 | 7.02/7.02/7.02 | |
| 3 | 7.12/7.12/7.12 | |
| 4 | 0/0/0 | |
| 5 | 4.36/4.84/0 | |
| 6 | 4.36/4.84/0 | |
| 7 | 7.36/4.84/0 | |
| 8 | 8.91/8.91/8.91 | |

| IC202 | |
|---|---|
| 1 | AUDIO |
| 2 | 0 |
| 3 | AUDIO |
| 4 | -8.98 |
| 5 | AUDIO |
| 6 | 0 |
| 7 | AUDIO |
| 8 | 8.89 |

| IC203 | |
|---|---|
| 1 | AUDIO |
| 2 | 0 |
| 3 | AUDIO |
| 4 | -8.98 |
| 5 | AUDIO |
| 6 | 0 |
| 7 | AUDIO |
| 8 | 8.89 |

| IC204 | |
|---|---|
| 1 | AUDIO |
| 2 | 0 |
| 3 | AUDIO |
| 4 | -8.98 |
| 5 | AUDIO |
| 6 | 0 |
| 7 | AUDIO |
| 8 | 8.89 |

| IC401 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | PS | 17 | PS | 33 | PS | 49 | PS | 65 | NC |
| 2 | PS | 18 | PS | 34 | PS | 50 | PS | 66 | NC |
| 3 | PS | 19 | PS | 35 | PS | 51 | PS | 67 | PS |
| 4 | PS | 20 | PS | 36 | PS | 52 | PS | 68 | PS |
| 5 | PS | 21 | PS | 37 | PS | 53 | PS | 69 | PS |
| 6 | PS | 22 | PS | 38 | PS | 54 | PS | 70 | 2.5 |
| 7 | PS | 23 | PS | 39 | PS | 55 | PS | 71 | 5 |
| 8 | PS | 24 | PS | 40 | PS | 56 | PS | 72 | 1.67 |
| 9 | PS | 25 | PS | 41 | PS | 57 | PS | 73 | 0 |
| 10 | PS | 26 | PS | 42 | PS | 58 | PS | 74 | 0.1 |
| 11 | PS | 27 | PS | 43 | PS | 59 | PS | 75 | 4.9 |
| 12 | PS | 28 | PS | 44 | PS | 60 | PS | 76 | 0.07 |
| 13 | PS | 29 | PS | 45 | PS | 61 | PS | 77 | 3.3 |
| 14 | PS | 30 | PS | 46 | PS | 62 | PS | 78 | 0.06 |
| 15 | PS | 31 | PS | 47 | PS | 63 | PS | 79 | PS |
| 16 | PS | 32 | PS | 48 | PS | 64 | NC | 80 | PS |

| IC402 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | PS | 21 | PS | 41 | PS | 61 | NC | 81 | 0.028 |
| 2 | PS | 22 | PS | 42 | PS | 62 | PS | 82 | 5 |
| 3 | PS | 23 | PS | 43 | PS | 63 | PS | 83 | 5 |
| 4 | PS | 24 | PS | 44 | PS | 64 | PS | 84 | 5 |
| 5 | PS | 25 | PS | 45 | PS | 65 | PS | 85 | 5 |
| 6 | PS | 26 | PS | 46 | PS | 66 | PS | 86 | 8.9 |
| 7 | PS | 27 | PS | 47 | PS | 67 | PS | 87 | 7 |
| 8 | PS | 28 | PS | 48 | PS | 68 | PS | 88 | 5.7 |
| 9 | PS | 29 | PS | 49 | PS | 69 | NC | 89 | 4.2 |
| 10 | PS | 30 | PS | 50 | PS | 70 | NC | 90 | 2.8 |
| 11 | PS | 31 | PS | 51 | PS | 71 | 5 | 91 | 1.2 |
| 12 | PS | 32 | PS | 52 | PS | 72 | 5 | 92 | 0 |
| 13 | PS | 33 | PS | 53 | PS | 73 | 5 | 93 | 0 |
| 14 | PS | 34 | PS | 54 | PS | 74 | 5 | 94 | 2.5 |
| 15 | PS | 35 | PS | 55 | PS | 75 | 5 | 95 | 2.5 |
| 16 | PS | 36 | PS | 56 | PS | 76 | 0.04 | 96 | 4.9 |
| 17 | PS | 37 | PS | 57 | PS | 77 | 0.04 | 97 | 5 |
| 18 | PS | 38 | PS | 58 | PS | 78 | 0.04 | 98 | 0.17 |
| 19 | PS | 39 | PS | 59 | PS | 79 | 0.04 | 99 | 3.4 |
| 20 | PS | 40 | PS | 60 | PS | 80 | 0.04 | 100 | 0.067 |

| IC403 | |
|---|---|
| 1 | 4.91 |
| 2 | 4.91 |
| 3 | 0.02 |
| 4 | 0.02 |

| IC501 | | | | | |
|---|---|---|---|---|---|
| 1 | 4.49 | | 51 | 0/5 | MUTE/Other |
| 2 | PS/4.67 | Remote Control/Other | 52 | 4.8/5 | IN-INT/Other |
| 3 | PS | | 53 | NC | |
| 4 | PS | | 54 | PS | |
| 5 | PS | | 55 | PS | |
| 6 | 0 | | 56 | PS | |
| 7 | 0 | | 57 | PS | |
| 8 | PS | | 58 | NC | |
| 9 | PS | | 59 | NC | |
| 10 | 5.02 | | 60 | 5 | |
| 11 | PS | | 61 | NC | |
| 12 | 0 | | 62 | 0 | |
| 13 | PS | | 63 | NC | |
| 14 | 5.01 | | 64 | 5 | |
| 15 | 5 | | 65 | 5 | |
| 16 | NC | | 66 | 5 | |
| 17 | 5 | | 67 | PS/0 | CHG/Other |
| 18 | 5 | | 68 | PS/0 | CHG/Other |
| 19 | NC | | 69 | PS/5 | CHG/Other |
| 20 | NC | | 70 | NC | |
| 21 | NC | | 71 | 5/PS | SOURCE CHANGE/Other |
| 22 | 5/0 | Buzzer/Other | 72 | PS/5 | SEEK, BAND SOURCE CHANGE/Other |
| 23 | NC | | 73 | PS/5 | DISC/Other |
| 24 | 5 | | 74 | PS/5 | SEEK, BAND SOURCE CHANGE/Other |
| 25 | 5 | | 75 | PS/5 | DISC/Other |
| 26 | 5/0.06 | XOVER/Other | 76 | 5/0.05 | DISC/Other |
| 27 | 5 | | 77 | 5 | |
| 28 | 4.8 | | 78 | NC | |
| 29 | PS | | 79 | NC | |
| 30 | PS | | 80 | 0/5 | SEEK, BAND SOURCE CHANGE/Other |
| 31 | PS | | 81 | 5/0 | OPEN/CLOSE |
| 32 | PS | | 82 | 0/5 | OPEN/CLOSE |
| 33 | NC | | 83 | 5/0 | OPEN/CLOSE |
| 34 | NC | | 84 | 5 | |
| 35 | PS | | 85 | 4.97/0 | OPEN/CLOSE |
| 36 | PS | | 86 | 0.02/4.96 | OPEN/CLOSE |
| 37 | 5 | | 87 | AUDIO | |
| 38 | NC | | 88 | 0 | |
| 39 | NC | | 89 | NC | |
| 40 | 5 | | 90 | 5/0.02 | FM/Other |
| 41 | PS | | 91 | NC | |
| 42 | PS | | 92 | NC | |
| 43 | 5 | | 93 | S-METER | |
| 44 | NC | | 94 | 0 | |
| 45 | 0/5 | Encoder | 95 | 5 | |
| 46 | 0/5 | Encoder | 96 | 5 | |
| 47 | NC | | 97 | 5 | |
| 48 | 5 | | 98 | PS/5 | SEEK, BAND SOURCE CHANGE/Other |
| 49 | 5 | | 99 | PS/5 | SEEK, BAND SOURCE CHANGE/Other |
| 50 | NC | | 100 | 5 | |

| IC502 | |
|---|---|
| 1 | 2.45 |
| 2 | 1.5 |
| 3 | 2.48 |
| 4 | NC |
| 5 | NC |
| 6 | NC |
| 7 | 2.45 |
| 8 | PS |
| 9 | 4.85 |
| 10 | PS |
| 11 | PS |
| 12 | PS |
| 13 | NC |
| 14 | 2.83 |
| 15 | NC |
| 16 | 0 |
| 17 | PS |
| 18 | 0 |

| IC503 | | |
|---|---|---|
| 1 | 0/0/0.71 | FM/MW/DISC |
| 2 | 0/0/0.71 | |
| 3 | 0/0/0 | |
| 4 | PS/PS/PS | |
| 5 | PS/PS/PS | |
| 6 | 0/0/0 | |
| 7 | 4.80/4.80/4.80 | |
| 8 | 4.80/4.80/4.80 | |
| 9 | 4.80/0/4.80 | |
| 10 | 4.80/0/4.80 | |
| 11 | 4.80/4.80/0 | |
| 12 | 0/0/0 | |
| 13 | 2.40/2.40/2.40 | |
| 14 | 4.80/4.80/4.80 | |
| 15 | 0/0/0 | |
| 16 | 2.40/2.40/2.40 | |
| 17 | 2.40/2.40/2.40 | |
| 18 | 2.40/2.40/2.40 | |
| 19 | 2.40/2.40/2.40 | |
| 20 | 2.40/2.40/2.40 | |

| IC504-1 | | | | | |
|---|---|---|---|---|---|
| 1 | 0/0/0 | FM/MW/DISC | 28 | PS/3.84/PS | FM/MW/DISC |
| 2 | NC | | 29 | 0.10/4.56/0.10 | FM/MW/DISC |
| 3 | NC | | 30 | 3.01/2.89/3.01 | FM/MW/DISC |
| 4 | 0/0/0 | FM/MW/DISC | 31 | 0/0/0 | |
| 5 | NC | | 32 | 0/0/0 | |
| 6 | NC | | 33 | 0/0/0 | |
| 7 | NC | | 34 | NC | |
| 8 | NC | | 35 | NC | |
| 9 | 4.95/4.95/4.95 | FM/MW/DISC | 36 | 4.96/4.96/4.96 | FM/MW/DISC |
| 10 | PS/PS/PS | FM/MW/DISC | 37 | 4.96/4.96/4.96 | FM/MW/DISC |
| 11 | PS/PS/PS | FM/MW/DISC | 38 | 4.94/4.94/4.94 | FM/MW/DISC |
| 12 | 0/0/0 | | 39 | 4.96/4.96/4.96 | FM/MW/DISC |
| 13 | NC | | 40 | 4.94/4.94/4.94 | FM/MW/DISC |
| 14 | 0/0/0 | | 41 | 4.96/4.96/4.96 | FM/MW/DISC |
| 15 | 4.95/0.3 | Other/RESET | 42 | NC | |
| 16 | 4.95/4.95/4.95 | FM/MW/DISC | 43 | NC | |
| 17 | 4.78/4.78/4.78 | FM/MW/DISC | 44 | NC | |
| 18 | NC | | 45 | NC | |
| 19 | 4.95/4.95/4.95 | FM/MW/DISC | 46 | NC | |
| 20 | NC | | 47 | NC | |
| 21 | NC | | 48 | 4.95/4.95/4.95 | FM/MW/DISC |
| 22 | NC | | 49 | NC | |
| 23 | 4.95/4.95/4.96 | FM/MW/DISC | 50 | NC | |
| 24 | 4.95/4.95/4.96 | FM/MW/DISC | 51 | 0/0/0 | |
| 25 | 4.28/2.60/4.28 | FM/MW/DISC | 52 | 0/0/0 | |
| 26 | 0/0/0 | FM/MW/DISC | 53 | 4.95/4.95/4.95 | FM/MW/DISC |
| 27 | 0.13/3.35/3.84 | FM/MW/DISC | 54 | 4.95/4.95/4.95 | FM/MW/DISC |

| IC504-2 | | | | | |
|---|---|---|---|---|---|
| 55 | NC | | 78 | NC | |
| 56 | NC | | 79 | NC | |
| 57 | NC | | 80 | NC | |
| 58 | NC | | 81 | 4.96/4.96/4.96 | FM/MW/DISC |
| 59 | NC | | 82 | NC | |
| 60 | NC | | 83 | NC | |
| 61 | NC | | 84 | NC | |
| 62 | NC | | 85 | NC | |
| 63 | NC | | 86 | NC | |
| 64 | NC | | 87 | NC | |
| 65 | NC | | 88 | NC | |
| 66 | NC | | 89 | NC | |
| 67 | NC | | 90 | NC | |
| 68 | NC | | 91 | NC | |
| 69 | NC | | 92 | 4.80/4.80/0 | FM/MW/DISC |
| 70 | NC | | 93 | 4.80/4.80/4.80 | FM/MW/DISC |
| 71 | NC | | 94 | 0/0/0 | |
| 72 | 0/0/0 | | 95 | 4.80/0/4.80 | FM/MW/DISC |
| 73 | NC | | 96 | 4.80/0/4.80 | FM/MW/DISC |
| 74 | NC | | 97 | 4.95/4.95/4.95 | FM/MW/DISC |
| 75 | NC | | 98 | 4.95/4.95/4.95 | FM/MW/DISC |
| 76 | NC | | 99 | NC | |
| 77 | NC | | 100 | 0/8.47/0 | FM/MW/DISC |

| IC505 | | | | | |
|---|---|---|---|---|---|
| 1 | NC | | 14 | NC | |
| 2 | 5.9/0.1 | OPEN/Other | 15 | 4.24/0.1 | CLOSE/Other |
| 3 | NC | | 16 | NC | |
| 4 | 3.86/0.05 | OPEN/Other | 17 | NC | |
| 5 | NC | | 18 | NC | |
| 6 | 3.97/0 | OPEN/Other | 19 | 0 | |
| 7 | 0 | | 20 | 0 | |
| 8 | 3.97/0 | CLOSE/Other | 21 | 0 | |
| 9 | NC | | 22 | NC | |
| 10 | 11.9 | | 23 | NC | |
| 11 | 11.9 | | 24 | 4.15/0.1 | OPEN/Other |
| 12 | NC | | 25 | NC | |
| 13 | 8.59/0.1 | CLOSE/Other | | | |

| IC506 | |
|---|---|
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 4.95 |
| 6 | 4.95 |
| 7 | 0 |
| 8 | 4.95 |

| IC507 | |
|---|---|
| 1 | 5.09 |
| 2 | NC |
| 3 | 0 |
| 4 | 0 |
| 5 | NC |
| 6 | 0 |
| 7 | 4.79 |
| 8 | 4.81 |

IC524

| | | | |
|---|---|---|---|
| 1 | PS | 9 | PS |
| 2 | PS | 10 | 0 |
| 3 | PS | 11 | 4.8 |
| 4 | PS | 12 | 2 |
| 5 | XTL | 13 | 3 |
| 6 | XTL | 14 | 0 |
| 7 | 5 | 15 | 4.91 |
| 8 | 0 | 16 | 4.86 |

IC804

| | | |
|---|---|---|
| 1 | 0 | |
| 2 | 0 | |
| 3 | 0 | |
| 4 | 3.74 | |
| 5 | 4.92 | |
| 6 | 2.68/0.09 | RESET/Other |
| 7 | 0 | |
| 8 | 0 | |
| 9 | 0 | |
| 10 | 0 | |
| 11 | 0 | |
| 12 | 0 | |
| 13 | 0 | |
| 14 | 0.1/5.02 | RESET/Other |
| 15 | 0.12/5.02 | RESET/Other |
| 16 | 5.02 | |
| 17 | 14.21 | |
| 18 | 0 | |
| 19 | 0 | |
| 20 | 0 | |

IC803

| | | | |
|---|---|---|---|
| 1 | 0 | 14 | AUDIO |
| 2 | 0 | 15 | AUDIO |
| 3 | AUDIO | 16 | 7.02 |
| 4 | 5 | 17 | AUDIO |
| 5 | AUDIO | 18 | 0 |
| 6 | 14.4 | 19 | AUDIO |
| 7 | AUDIO | 20 | 14.4 |
| 8 | 0 | 21 | AUDIO |
| 9 | AUDIO | 22 | 6.92 |
| 10 | 7.08 | 23 | AUDIO |
| 11 | AUDIO | 24 | 0 |
| 12 | AUDIO | 25 | NC |
| 13 | 0 | | |

IC805

| | | |
|---|---|---|
| 1 | 4.84/0.6 | TUNER/Other |
| 2 | 14.25 | |
| 3 | 0 | |
| 4 | 8.51/0 | |
| 5 | 1.234/0 | |

IC901

| | |
|---|---|
| 1 | 8.89 |
| 2 | 0 |
| 3 | 11.49 |

IC902

| | |
|---|---|
| 1 | 0 |
| 2 | -11.54 |
| 3 | -8.99 |

| IC2001 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 21 | 0 | 41 | PS | 61 | NC | 81 | NC |
| 2 | 0 | 22 | 3.32 | 42 | 0 | 62 | 0 | 82 | 0 |
| 3 | 0 | 23 | 1.63 | 43 | 1.65 | 63 | 5 | 83 | 3.3 |
| 4 | 0 | 24 | 0 | 44 | 1.63 | 64 | NC | 84 | 3.3 |
| 5 | 0 | 25 | 1.65 | 45 | 3.29 | 65 | PS | 85 | 0 |
| 6 | 0 | 26 | 3.29 | 46 | 0 | 66 | PS | 86 | NC |
| 7 | 0 | 27 | 1.65 | 47 | 1.55 | 67 | PS | 87 | NC |
| 8 | 3.35 | 28 | 1.63 | 48 | 0 | 68 | 3.35 | 88 | 0 |
| 9 | 0 | 29 | 0 | 49 | 0 | 69 | 3.35 | 89 | PS |
| 10 | 0 | 30 | 3.3 | 50 | 3.3 | 70 | 0 | 90 | PS |
| 11 | 0 | 31 | 3.3 | 51 | 3.3 | 71 | NC | 91 | 0 |
| 12 | 0 | 32 | 0 | 52 | 0 | 72 | NC | 92 | 0 |
| 13 | 0 | 33 | 0 | 53 | 1.63 | 73 | NC | 93 | 0 |
| 14 | 0 | 34 | 1.64 | 54 | 1.65 | 74 | NC | 94 | 0 |
| 15 | 0 | 35 | 0 | 55 | 1.65 | 75 | 0 | 95 | 0 |
| 16 | 0 | 36 | 3.29 | 56 | 3.3 | 76 | 0 | 96 | 0 |
| 17 | PS | 37 | 1.63 | 57 | 0 | 77 | 0 | 97 | 0 |
| 18 | 0 | 38 | 3.29 | 58 | 1.63 | 78 | PS | 98 | 0 |
| 19 | 3.32 | 39 | 3.29 | 59 | 0 | 79 | 0 | 99 | 0 |
| 20 | 0 | 40 | PS | 60 | 5 | 80 | 0 | 100 | 3.34 |

| IC2002 | |
|---|---|
| 1 | 4.4 |
| 2 | 4.4 |
| 3 | 4.4 |
| 4 | 0 |
| 5 | 4.4 |
| 6 | 4.4 |
| 7 | 4.4 |
| 8 | 8.8 |

| IC2003 | |
|---|---|
| 1 | 4.4 |
| 2 | 4.4 |
| 3 | 4.4 |
| 4 | 0 |
| 5 | 4.4 |
| 6 | 4.4 |
| 7 | 4.4 |
| 8 | 8.8 |

| IC2004 | |
|---|---|
| 1 | 4.4 |
| 2 | 4.4 |
| 3 | 4.4 |
| 4 | 0 |
| 5 | 4.4 |
| 6 | 4.4 |
| 7 | 4.4 |
| 8 | 8.8 |

| IC2005 | | | |
|---|---|---|---|
| 1 | 4.46 | 8 | 4.46 |
| 2 | 4.46 | 9 | 4.46 |
| 3 | 4.46 | 10 | 4.46 |
| 4 | 8.94 | 11 | 0 |
| 5 | 4.46 | 12 | 4.46 |
| 6 | 4.46 | 13 | 4.46 |
| 7 | 4.46 | 14 | 4.46 |

| IC2011 | |
|---|---|
| 1 | 4.46 |
| 2 | 4.46 |
| 3 | 4.46 |
| 4 | 0 |
| 5 | 4.46 |
| 6 | 4.46 |
| 7 | 4.46 |
| 8 | 8.95 |

| IC4001 | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PS | | 35 | PS | 69 | PS | |
| 2 | PS | | 36 | PS | 70 | PS | |
| 3 | PS | | 37 | 5 | 71 | PS | |
| 4 | PS | | 38 | NC | 72 | PS | |
| 5 | PS | | 39 | 5 | 73 | PS | |
| 6 | 5 | | 40 | NC | 74 | PS | |
| 7 | 0.05 | | 41 | NC | 75 | PS | |
| 8 | 0.06 | | 42 | 5 | 76 | PS | |
| 9 | 5 | | 43 | NC | 77 | PS | |
| 10 | 5 | | 44 | 5 | 78 | PS | |
| 11 | PS | | 45 | NC | 79 | PS | |
| 12 | 0 | | 46 | NC | 80 | PS | |
| 13 | PS | | 47 | NC | 81 | PS | |
| 14 | 5 | | 48 | NC | 82 | PS | |
| 15 | 5 | | 49 | NC | 83 | PS | |
| 16 | 0.06 | | 50 | 5 | 84 | PS | |
| 17 | PS/0.064 | DISC/Other | 51 | 0.07 | 85 | PS | |
| 18 | 5 | | 52 | PS | 86 | PS | |
| 19 | 5 | | 53 | PS | 87 | PS | |
| 20 | 5/0.045 | DISC/Other | 54 | PS | 88 | PS | |
| 21 | PS | | 55 | PS | 89 | PS | |
| 22 | 5/0.047 | DISC/Other | 56 | PS | 90 | PS | |
| 23 | PS | | 57 | PS | 91 | PS | |
| 24 | NC | | 58 | PS | 92 | PS | |
| 25 | PS/0.07 | MP3/Other | 59 | PS | 93 | PS | |
| 26 | PS | | 60 | 5 | 94 | 0 | |
| 27 | PS | | 61 | PS | 95 | PS | |
| 28 | PS | | 62 | 0 | 96 | 5 | |
| 29 | PS | | 63 | PS | 97 | 5 | |
| 30 | NC | | 64 | PS | 98 | PS | |
| 31 | PS | | 65 | PS | 99 | 4.36 | |
| 32 | NC | | 66 | PS | 100 | 0.12/5 | CD/Other |
| 33 | PS | | 67 | PS | | | |
| 34 | PS | | 68 | PS | | | |

IC4004

| | | | | | |
|---|---|---|---|---|---|
| 1 | 3.36/0.03 | DISC/Other | 15 | 0 | |
| 2 | 0 | | 16 | 3.36/0.03 | DISC/Other |
| 3 | 3.35/PS/0.03 | MP3/CD/Other | 17 | 3.36/0.03 | DISC/Other |
| 4 | 3.35/PS/0.03 | MP3/CD/Other | 18 | 0.068 | |
| 5 | 3.35/PS/0.06 | MP3/CD/Other | 19 | 1.8/0.16 | DISC/Other |
| 6 | 3.35/PS/0.06 | MP3/CD/Other | 20 | PS/0.045 | DISC/Other |
| 7 | 0.1/3/0.06 | MP3/CD/Other | 21 | PS/0.045 | DISC/Other |
| 8 | 3.36/0.03 | DISC/Other | 22 | 0 | |
| 9 | 0.07/PS/0.17 | MP3/CD/Other | 23 | 3.36/0.035 | DISC/Other |
| 10 | PS/PS/0.18 | MP3/CD/Other | 24 | 3.36/0.035 | DISC/Other |
| 11 | PS/PS/0.18 | MP3/CD/Other | 25 | 0 | |
| 12 | NC | | 26 | 3.35/0 | DISC/Other |
| 13 | 0 | | 27 | 0 | |
| 14 | 3.36/0.03 | DISC/Other | 28 | 0.063/PS/0.034 | MP3/CD/Other |

IC4005

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | NC | 9 | PS | 17 | PS | 25 | PS |
| 2 | PS | 10 | PS | 18 | PS | 26 | PS |
| 3 | PS | 11 | PS | 19 | PS | 27 | PS |
| 4 | PS | 12 | PS | 20 | PS | 28 | PS |
| 5 | PS | 13 | PS | 21 | PS | 29 | PS |
| 6 | PS | 14 | PS | 22 | PS | 30 | PS |
| 7 | PS | 15 | PS | 23 | PS | 31 | PS |
| 8 | PS | 16 | 0 | 24 | PS | 32 | 5 |

IC4006

| | | |
|---|---|---|
| 1 | PS | |
| 2 | PS | |
| 3 | 5/0.07 | MP3/Other |
| 4 | 0 | |
| 5 | 3.34/0.06 | MP3/Other |
| 6 | PS | |
| 7 | PS | |
| 8 | 3.35/0.03 | DISC/Other |

IC4022

| | |
|---|---|
| 1 | 8.51 |
| 2 | 0 |
| 3 | 3.36 |

IC4023

| | |
|---|---|
| 1 | 8.51 |
| 2 | 0 |
| 3 | 3.36 |

IC8001

| | | |
|---|---|---|
| 1 | 5 | DISC/Other |
| 2 | 14.34 | |
| 3 | 0 | |
| 4 | 5 | |
| 5 | 1.2 | |

IC8002

| | | |
|---|---|---|
| 1 | 5 | DISC/Other |
| 2 | 14.34 | |
| 3 | 0 | |
| 4 | 6.82 | |
| 5 | 1.28 | |

IC8003

| | | |
|---|---|---|
| 1 | 8.56/0.3 | DISC/Other |
| 2 | 0 | |
| 3 | 3.36/0.03 | DISC/Other |

| | E | C | B | MODE |
|---|---|---|---|---|
| Q002 | 8.46/8.53/0 | 0/8.50/0 | 8.53/7.84/0 | FM/MW/DISC |
| Q005 | 0.00 | 0.31 | 0.01 | |
| Q007 | 8.53/8.53/0 | 8.46/2.18/0 | 0.05/8.52/0 | FM/MW/DISC |
| Q201 | 0 | 3.64 | 0 | |
| Q402 | 0.02 | 0.1 | 0.77 | |
| Q403 | 4.48 | 5.06 | 5.03 | |
| Q404 | 0.02 | 0.05 | 5 | |
| Q405 | 0.03 | 0.06 | 0.72 | |
| Q406 | 0.02 | 12.26 | 8.1 | |
| Q501 | 0/0 | 0.1/8.8 | 4.5/0 | OPEN/CLOSE |
| Q503 | 0.01 | 0.03/PS | 4.79/PS | Other/Remote Control |
| Q504 | 11.47 | 14.21 | 12.37 | |
| Q505 | 11.74 | 14.21 | 12.37 | |
| Q508 | 0.01 | 0.02/PS | 0.01 | Other/Remote Control |
| Q509 | 4.81 | 0.01 | 4.81 | |
| Q510 | 0.01 | 4.57/PS | 0.01/PS | Other/Remote Control |
| Q511 | 0/0 | 11.97/14.25 | 5/0 | Buzzer ON/OFF |
| Q513 | 5 | 2 | 5 | |
| Q514 | 0 | PS | PS | |
| Q802 | 5/0.02 | 4.8 | 0 | MUTE/Other |
| Q803 | 0 | 14.4 | 14.3 | |
| Q806 | 0 | 14.3 | 0 | |
| Q810 | 8.9 | 14.29 | 9.54 | |
| Q811 | 14.28 | 14.27 | 13.6 | |
| Q815 | 0 | 5/0 | 0/5 | MUTE/Other |
| Q816 | 4.83/0 | 4.85/4.85 | 2.95/4.85 | IN-INT/Other |
| Q817 | 0 | 14.5 | 4.16 | |
| Q818 | 11.41 | 11.24 | 12.03 | |
| Q820 | 14.3 | 14.3 | 13.6 | |
| Q821 | 0/0 | 0.05/0.07 | 4.87/3.2 | TUNER/Other |
| Q901 | 8.2 | 14.27 | 8.83 | |
| Q902 | 0 | 8.03 | -6 | |
| Q903 | 0 | 8.03 | -6 | |
| Q4001 | 0 | 4.98 | PS/0.06 | MP3/Other |
| Q4002 | 0 | 3.3/0.16 | 4.91 | DISC/Other |
| Q8001 | 9.1/0.3 | 14.2 | 8.52/0.6 | DISC/Other |
| Q8502 | 9.08 | 14.27 | 9.08 | |

| | G | D | S | MODE |
|---|---|---|---|---|
| Q4008 | 3.35/0.034 | PS/3.35/0.034 | PS/5/0.1 | MP3/CD/Other |
| Q4009 | 3.35/0.034 | PS/3.35/0.34 | PS/5/0.1 | MP3/CD/Other |

| | 1 | 2 | 3 | 4 | 5 | MODE |
|---|---|---|---|---|---|---|
| Q004 | 0/8.46/0 | 0/0/0 | 0/0/0 | NC | 0/3/0 | FM/MW/DISC |
| Q506 | NC | 14.15 | 14.21 | 4.77 | 0 | |
| Q507 | NC | 4.80/0 | 4.96 | 8.13/0 | 0 | Other/POWER OFF |
| Q512 | NC | 4.98 | 5 | 4.91 | 0 | |
| Q801 | NC | 14.15 | 14.24 | 4.79 | 0 | |
| Q812 | NC | 4.86 | 5.01 | 4.96 | 0 | |
| Q813 | NC | 4.96 | 5 | 5.92 | 0 | |
| Q814 | NC | 14.26/-8.8 | 14.27/14.27 | 0/5 | 0/0 | MUTE/Other |
| Q826 | NC | 5 | 5 | 4.79 | 0 | |
| Q4006 | NC | 5 | 5 | 12.43 | 0 | |
| Q8002 | NC | 14/0.6 | 14.2 | 4.97/0 | 0 | DISC/Other |
| Q8504 | NC | 14.18 | 14.26 | 12.44 | 0 | |

| | 1 | 2 | 3 | 4 | 5 | 6 | MODE |
|---|---|---|---|---|---|---|---|
| Q202 | AUDIO | 0 | AUDIO | 5/0 | 0 | AUDIO | MUTE/Other |
| Q203 | AUDIO | 0 | AUDIO | 5/0 | 0 | AUDIO | MUTE/Other |
| Q204 | AUDIO | 0 | AUDIO | 5/0 | 0 | AUDIO | MUTE/Other |

| | 1 | 2 | 3 | 4 | MODE |
|---|---|---|---|---|---|
| Q003 | 2.58/0.67/0 | 7.72/7.58/0 | 8.35/0/0 | 1/0/0 | FM/MW/DISC |

[Measuring Conditions]
- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between GND
- Measuring Condition : FM : 98.1MHz
  MW : 999KHz
  CD : at playing Test Disc TCD-782
  MP3 : at playing Test Disc SCD-4419 (FOLDER4-128kbps)

## (CD Deck Mechanism)

| IC1 | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1, 2 | 1.65V | 36 | 3.3V | 84~88 | DIGITAL | 138 | 3.3V |
| 3 | 0V | 37~40 | 0V | 89 | 3.3V | 139 | ANALOG |
| 4 | ANALOG | 41~53 | DIGITAL | 90~94 | DIGITAL | 140 | NC |
| 5 | 3.2V | 54 | 5V | 95 | 5V | 141 | 3.3V |
| 6 | 1.6V | 55, 56 | NC | 96~104 | DIGITAL | 142, 143 | ANALOG |
| 7 | ANALOG | 57 | DIGITAL | 105 | 0V | 144 | 3.3V |
| 8, 9 | 0V | 58 | CLK | 106~109 | DIGITAL | 145~148 | ANALOG |
| 10, 11 | CLK | 59 | 3.3V | 110 | 0V | 149 | 0V |
| 12 | 3.3V | 60 | DIGITAL | 111~113 | DIGITAL | 150~153 | ANALOG |
| 13 | 0V | 61 | 0V | 114, 115 | NC | 154 | 0V |
| 14 | NC | 62~65 | DIGITAL | 116 | 3.3V | 155~157 | 1.65V |
| 15, 16 | 3.3V | 66 | 0V | 117~119 | 0V | 158, 159 | ANALOG |
| 17 | 0V | 67~69 | DIGITAL | 120, 121 | NC | 160 | 3.3V |
| 18 | 1.65V | 70, 71 | 5V | 122 | 0V | 161~168 | ANALOG |
| 19 | 3.3V | 72, 73 | DIGITAL | 123, 124 | 1.65V | 169 | 3.3V |
| 20 | 1.74V | 74 | 5V | 125 | 0V/3.3V | 170 | 0V/3.3V |
| 21 | 1.39V | 75 | 0V | 126 | 0.82V | 171~174 | 0V |
| 22 | 0V | 76, 77 | 5V | 127 | 0V | 175 | 0V/3V |
| 23~32 | NC | 78 | 3.3V | 128~134 | ANALOG | 176 | 1.65V |
| 33 | 3.3V | 79~82 | DIGITAL | 135 | 1.65V | | |
| 34, 35 | NC | 83 | 0V | 136, 137 | ANALOG | | |

| IC2 | | | |
|---|---|---|---|
| 1 | 0V | 37 | 0V |
| 2, 3 | ANALOG | 38, 39 | 2.1V |
| 4~6 | 2.1V | 40~45 | ANALOG |
| 7 | ANALOG | 46 | 5V |
| 8 | 1.65V | 47~50 | ANALOG |
| 9 | 3.3V | 51 | 0V |
| 10~17 | ANALOG | 52 | 5V |
| 18, 19 | 0V | 53 | NC |
| 20 | ANALOG | 54, 55 | 0V |
| 21 | 5V | 56~60 | ANALOG |
| 22~24 | NC | 61~64 | 2.1V |
| 25, 26 | ANALOG | 65 | 5V |
| 27 | 5V | 66 | 0V |
| 28 | ANALOG | 67~70 | ANALOG |
| 29, 30 | 2.1V | 71 | 5V |
| 31 | ANALOG | 72~75 | ANALOG |
| 32 | NC | 76 | 0V |
| 33, 34 | ANALOG | 77~80 | ANALOG |
| 35, 36 | 2.1V | | |

| IC3 | |
|---|---|
| 1 | 5V |
| 2~5 | DIGITAL |
| 6 | 5V |
| 7~10 | DIGITAL |
| 13, 14 | NC |
| 15, 16 | DIGITAL |
| 17 | NC |
| 18~21 | DIGITAL |
| 22 | 5V |
| 23 | 0V |
| 24~31 | DIGITAL |
| 32 | NC |
| 35~38 | DIGITAL |
| 39 | 0V |
| 40~43 | DIGITAL |
| 44 | 0V |

| IC4 | |
|---|---|
| 1 | 0V |
| 2~7 | ANALOG |
| 8 | 7V |
| 9~16 | ANALOG |
| 17, 18 | NC |
| 19 | 0V |
| 20 | 1.65V |
| 21 | 5V |
| 22~27 | ANALOG |
| 28 | 0V |

| IC5 | |
|---|---|
| 1 | ANALOG |
| 2 | 0.05V |
| 3~6 | ANALOG |
| 7 | 0.4V |
| 8, 9 | ANALOG |
| 10 | 0V |
| 11 | 0V/4.8V |
| 12 | ANALOG |
| 13 | 1.65V |
| 14, 15 | ANALOG |
| 16 | 6.6V |
| 17~20 | ANALOG |

| IC6 | |
|---|---|
| 1 | 0V |
| 2 | 7V |
| 3 | 3.2V |

| IC8 | |
|---|---|
| 1, 2 | ANALOG |
| 3, 4 | 0V |
| 5 | 5V |

| IC9 | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | NC | 46, 47 | L | 80 | 0V | 127 | 0V |
| 2 | 0V | 48~51 | 0V | 81~88 | DIGITAL | 128 | DIGITAL |
| 3 | DIGITAL | 52, 53 | CLK | 89 | 0V | 129 | L |
| 4~7 | H | 54 | 5V | 90 | 5V | 130 | DIGITAL |
| 8 | 0V | 55 | DIGITAL | 91~95 | DIGITAL | 131 | 0V |
| 9 | 5V | 56 | 0V | 96, 97 | L | 132 | H |
| 10~17 | L | 57 | CLK | 98, 99 | DIGITAL | 133 | 0V |
| 18 | 5V | 58 | DIGITAL | 100 | 0V | 134 | H |
| 19 | 0V | 59, 60 | H | 101, 102 | DIGITAL | 135 | 5V |
| 20~27 | L | 61~63 | DIGITAL | 103 | 5V | 136 | 0V |
| 28 | 0V | 64 | 0V | 104 | H | 137~139 | H |
| 29~34 | H | 65~69 | DIGITAL | 105 | 5V | 140 | DIGITAL |
| 35 | 5V | 70 | 0V | 106~108 | 0V | 141 | H |
| 36, 37 | NC | 71~73 | NC | 109 | 4.9V | 142 | DIGITAL |
| 38 | 0V | 74 | CLK | 110~115 | DIGITAL | 143 | 5V |
| 39~43 | L | 75~77 | NC | 116 | 0V | 144 | NC |
| 44 | 0V | 78 | 5V | 117~125 | DIGITAL | | |
| 45 | H | 79 | H | 126 | 5V | | |

| IC10 | | | | | |
|---|---|---|---|---|---|
| 1, 2 | H | 21~27 | NC | 64~70 | DIGITAL |
| 3 | NC | 28, 29 | H | 71, 72 | NC |
| 4 | H | 30~32 | L | 73 | L |
| 5 | 0V/5V | 33 | H | 74, 75 | H |
| 6 | H | 34 | L | 76 | L |
| 7 | L | 35~39 | H | 77, 78 | H |
| 8, 9 | NC | 40, 41 | NC | 79~86 | DIGITAL |
| 10 | H | 42~44 | L | 87~89 | ANALOG |
| 11 | CLK | 45 | NC | 90 | L |
| 12 | 0V | 46~52 | H | 91, 92 | NC |
| 13 | CLK | 53~59 | DIGITAL | 93 | 2.1V |
| 14 | 5V | 60 | 5V | 94 | 0V |
| 15~17 | H | 61 | DIGITAL | 95 | 2.1V |
| 18 | DIGITAL | 62 | 0V | 96, 97 | 5V |
| 19, 20 | L | 63 | NC | 98~100 | NC |

| IC11 | |
|---|---|
| 1 | NC |
| 2 | 1.4V |
| 3 | NC |
| 4 | 0V |
| 5 | 1.2V |
| 6, 7 | 5V |
| 8 | NC |

| IC13 | |
|---|---|
| 1, 2 | NC |
| 3~6 | 0V |
| 7 | NC |
| 8 | 5V |

| IC12 | |
|---|---|
| 1 | 5V |
| 2~5 | DIGITAL |
| 6 | 5V |
| 7~10 | DIGITAL |
| 13, 14 | NC |
| 15, 16 | DIGITAL |
| 17 | NC |
| 18~21 | DIGITAL |
| 22 | 5V |
| 23 | 0V |
| 24~31 | DIGITAL |
| 32 | NC |
| 35~38 | DIGITAL |
| 39 | 0V |
| 40~43 | DIGITAL |
| 44 | 0V |

| IC14 | |
|---|---|
| 1 | PULSE |
| 2 | 0.8V |
| 3 | PULSE |
| 4 | 0V |
| 5 | 2.6V |
| 6 | PULSE |
| 7 | PULSE |
| 8 | 7V |

| IC17 | |
|---|---|
| 1 | 5V |
| 2 | NC |
| 3 | 3.47V |
| 4 | NC |
| 5 | 1.25V |
| 6 | 0V |
| 7 | 0V |
| 8 | 5V |

| Q3 | |
|---|---|
| 1 | NC |
| 2 | 5V |
| 3 | 5V |
| 4 | 5V |
| 5 | 0V |

| Q6 | |
|---|---|
| 1 | 1.2V |
| 2 | 0V |
| 3 | 2.6V |
| 4 | 0V |
| 5 | 0V |

| IC16 | |
|---|---|
| 1, 2 | ANALOG |
| 3 | 5V |
| 4 | 0V |
| 5, 6 | ANALOG |
| 7 | 0V |
| 8 | 5V |

| | E | C | B |
|---|---|---|---|
| Q1 | 1.65V | ANALOG | 0V |
| Q2 | 1.65V | ANALOG | 0V |
| Q4 | 4.3V | 2.4V | 3.7V |
| Q5 | 5V | 0V | 5V |
| Q8 | 6.6V | ANALOG | 6.6V |

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Oscilloscope
- Measuring Point Reference : Between GND
- Measuring Condition : Playing Test Disc :
  ALMEDIO SCD-4419
  (Folder No. 4(128K)
  →Track No2)

# Description of IC Terminal

## M30803FGGP : IC501

| No. | Symbol | I/O | Terminal Description |
|---|---|---|---|
| 1 | DSP XLAT | 0 | Data latch signal output terminal to DSP-IC(CXD2729Q). |
| 2 | REMOCON | I | Remote control data input terminal. |
| 3 | DSP RVDT | I | Serial data input terminal from DSP-IC(CXD2729Q). |
| 4 | DSP TRDT | 0 | Serial data output terminal to DSP-IC(CXD2729Q). |
| 5 | DSP SCLK | 0 | Serial clock output terminal to DSP-IC(CXD2729Q). |
| 6 | BYTE(GND) | - | GND connect terminal. |
| 7 | CNVSS(PULL-DOWN) | - | Pull-down connect terminal. |
| 8 | XCIN | I | Crystal OSC connect terminal for sub system clock OSC. |
| 9 | XCOUT | 0 | |
| 10 | $\overline{\text{RESET}}$ | I | System reset input terminal. |
| 11 | XOUT | 0 | Crystal OSC connect terminal for main system clock OSC. |
| 12 | VSS | - | GND connect terminal. |
| 13 | XIN | I | Crystal OSC connect terminal for main system clock OSC. |
| 14 | VCC | - | Power supply connect terminal. |
| 15 | NMI(PULL-UP) | I | Pull-up connect terminal of 47K ohm resistor. |
| 16 | NC | - | No connect terminal. |
| 17 | ACC-DET | I | ACC detect signal input terminal. |
| 18 | BATT-DET | I | BATT detect signal input terminal. |
| 19 | NC | - | No connect terminal. |
| ≀ | | | |
| 21 | | | |
| 22 | BUZZER | 0 | BUZZER signal output terminal. |
| 23 | NC | - | No connect terminal. |
| 24 | $\overline{\text{MP3 RST}}$ | 0 | System reset signal output terminal to MP3 u-COM. |
| 25 | MP3 STBY | 0 | Movement stand-by request signal output terminal to MP3 u-COM. |
| 26 | X-OVER | I | Cross over switching input terminal. |
| 27 | IIC SCL-1 | 0 | I2C SCL output terminal to EEPROM/AUDIO PROCESSOR. |
| 28 | IIC SDA-1 | I/0 | I2C SDA input/output terminal to EEPROM/AUDIO PROCESSOR. |
| 29 | MP3 IS BUS TXD | 0 | Serial data output terminal to MP3 u-COM. |
| 30 | MP3 IS BUS RXD | I | Serial data input terminal from MP3 u-COM. |
| 31 | LCD DO 1 | 0 | Serial data signal output terminal to LCD DRIVER(LC75817). |
| 32 | LCD DI | I | Serial data signal input terminal from LCD DRIVER(LC75817). |
| 33 | NC | - | No connect terminal. |
| 34 | | | |
| 35 | LCD CLK | 0 | Serial clock signal output terminal to LCD DRIVER(LC75817/LC75873). |
| 36 | LCD CE 1 | 0 | Chip enable signal output terminal to LCD DRIVER(LC75817). |
| 37 | LCD INH | 0 | INH Signal output terminal to LCD DRIVER(LC75817/LC75873). |
| 38 | NC | - | No connect terminal. |
| 39 | | | |
| 40 | NOSE PWR ON | 0 | Power supply switch output terminal to NOSE. |
| 41 | LCD DO 2 | 0 | Serial data signal output terminal to LCD DRIVER(LC75873). |
| 42 | LCD CE 2 | 0 | Chip enable signal output terminal to LCD DRIVER(LC75873). |
| 43 | RDS STBY | 0 | Movement stand-by request signal output terminal to RDS u-COM. |
| 44 | NC | - | No connect terminal. |
| 45 | ENCODER2 | I | ENCODER2 input terminal. |

| No. | Symbol | I/O | Terminal Description |
|---|---|---|---|
| 46 | ENCODER1 | I | ENCODER1 input terminal. |
| 47 | NC | - | No connect terminal. |
| 48 | PWR IC ON | 0 | Power-IC Stand-by signal output terminal. |
| 49 | POWER ON | 0 | Power supply control signal output terminal. |
| 50 | NC | - | No connect terminal. |
| 51 | $\overline{\text{A-MUTE}}$ | 0 | Audio mute signal output terminal. |
| 52 | IN-INT | I | Outer interrupt signal input terminal. |
| 53 | NC | - | No connect terminal. |
| 54 | S.SHIFT | 0 | Center frequency shift control signal output terminal to SPE-ANA IC(BA3834F). |
| 55 | SPE-A | 0 | Frequency select signal output terminal to SPE-ANA IC(BA3834F). |
| 56 | SPE-B | | |
| 57 | SPE-C | | |
| 58 | NC | - | No connect terminal. |
| 59 | | | |
| 60 | VCC | - | Power supply connect terminal. |
| 61 | NC | - | No connect terminal. |
| 62 | VSS | - | GND connect terminal. |
| 63 | NC | - | No connect terminal. |
| 64 | AI BUS-RST | 0 | Reset signal output terminal to Ai-NET BUS-IC. |
| 65 | AI BUS R/W | 0 | Register R/W select output terminal to Ai-NET BUS-IC. |
| 66 | AI BUS RS | 0 | Register select output terminal to Ai-NET BUS-IC. |
| 67 | AI BUS STS | I | Serial data input terminal from Ai-NET BUS-IC. |
| 68 | AI BUS CMD | 0 | Serial data output terminal to Ai-NET BUS-IC. |
| 69 | AI BUS CLK | 0 | Serial clock output terminal to Ai-NET BUS-IC. |
| 70 | NC | - | No connect terminal. |
| 71 | AI BUS INT | I | Interrupt signal input terminal from Ai-NET BUS-IC. |
| 72 | RDS FIN | I | Frame signal input terminal from RDS u-COM. |
| 73 | MP3 FIN | I | Frame signal input terminal from MP3 u-COM. |
| 74 | RDS FOUT | 0 | Frame signal output terminal to RDS u-COM. |
| 75 | MP3 FOUT | 0 | Frame signal output terminal to MP3 u-COM. |
| 76 | MP3-MUTE | I | MP3 A-MUTE signal input terminal. |
| 77 | NC(PULL-UP) | - | Pull-up connect terminal. |
| 78 | NC | - | No connect terminal. |
| 79 | | | |
| 80 | $\overline{\text{T-MUTE}}$ | I | Mute signal input terminal from RDS u-COM. |
| 81 | DOOR LED | 0 | DOOR LED lighting control output terminal. |
| 82 | LIMIT SW-1 | I | Open Limit switch signal input terminal. |
| 83 | LIMIT SW-2 | I | Close Limit switch signal input terminal. |
| 84 | MOTOR+B ON | 0 | Power supply control signal output terminal for Unizon Wing Motor. |
| 85 | MOTOR FOR | 0 | Unizon Wing Motor forward driving signal output terminal. |
| 86 | MOTOR REV | 0 | Unizon Wing Motor backward driving signal output terminal. |
| 87 | SPE-AUDIO | I | A/D Data input terminal from SPE-ANA IC(BA3834F). |
| 88 | CONFIG-2 | I | Area set up/function definition terminal. |
| 89 | NC | - | No connect terminal. |
| 90 | SSTOP | I | Seek Stop signal input terminal from Multi Chip Tuner IC (TDA7511) . |
| 91 | NC | - | No connect terminal. |
| 92 | | | |
| 93 | S-METER | I | FM/AM Tuner signal Level signal input terminal. |

| No. | Symbol | I/O | Terminal Description |
|---|---|---|---|
| 94 | AVSS | - | GND connect terminal of A/D converter. |
| 95 | NOSE ON | I | DF NOSE ON detect terminal. |
| 96 | VREF | I | Standard voltage input terminal of A/D converter. |
| 97 | AVCC | I | Power supply input terminal of A/D converter. |
| 98 | RDS RX | I | IS BUS input terminal from RDS u-COM communication line. |
| 99 | RDS TX | 0 | IS BUS output terminal to RDS u-COM communication line. |
| 100 | DSP XRST | 0 | Reset signal output terminal to DSP-IC(CXD2729Q). |

## D78F4216AGC : IC504

| No. | Symbol | I/O | Terminal Description |
|---|---|---|---|
| 1 | IF MUTE | 0 | IF MUTE control terminal. H : ON |
| 2 | NC | - | No connect terminal. |
| 3 | | | |
| 4 | RDS-CONT | 0 | RDS data input prevention control terminal of adjoining station.<br>H : RDS OFF |
| 5 | $\overline{\text{IF MUTE}}$(NC) | - | No connect terminal. |
| 6 | NC | | |
| ≀ | | | |
| 8 | | | |
| 9 | VDD | - | Power supply connect terminal. |
| 10 | X2 | - | Crystal OSC connect terminal for main system clock OSC. (12.288MHz) |
| 11 | X1 | | |
| 12 | VSS | - | GND connect terminal. |
| 13 | XT2(NC) | - | No connect terminal. |
| 14 | XT1(GND) | - | GND connect terminal. |
| 15 | $\overline{\text{RESET}}$ | I | System reset input terminal. |
| 16 | BATT-DET | I | BATT compulsion stand-by signal input terminal from VDD IC. |
| 17 | STANDBY | I | Stand-by signal input terminal from MAIN u-COM. |
| 18 | NC | - | No connect terminal. |
| 19 | IS BUS Fin | I | IS BUS frame signal input terminal. |
| 20 | NC | - | No connect terminal. |
| ≀ | | | |
| 22 | | | |
| 23 | AVDD | - | Analog power supply connect terminal of A/D converter. |
| 24 | AVREF0 | I | Standard voltage input terminal of A/D converter. |
| 25 | S-METER | I | S.METER input terminal. |
| 26 | MULTIPATH | I | Multipath input terminal of RDS Decoder. |
| 27 | ADJCH-DET | I | Adjoining station detection input terminal. |
| 28 | SSTOP | I | FM station detection signal input terminal. |
| 29 | AMST/MP | I | SEEK STOP detect input terminal at AM. H : Station ON |
| 30 | AFC | I | FM station detection signal input terminal. |
| 31 | NC(GND) | - | GND connect terminal. |
| 32 | | | |
| 33 | AVSS | - | GND connect terminal of A/D converter. |
| 34 | NC | - | No connect terminal. |
| 35 | | | |
| 36 | AVREF1 | I | Standard voltage input terminal of D/A converter. |

| No. | Symbol | I/O | Terminal Description |
|---|---|---|---|
| 37 | IS BUS RX | I | IS BUS receiving terminal. |
| 38 | IS BUS TX | O | IS BUS transmitting terminal. |
| 39 | IS BUS Fout | O | IS BUS frame signal output terminal. |
| 40 | MONITOR RXD | I | Command input terminal from RDS monitor (P/C). |
| 41 | MONITOR TXD | O | Status output terminal to RDS monitor (P/C). |
| 42 | NC | – | No connect terminal. |
| ~ | | | |
| 47 | | | |
| 48 | T-MUTE | O | Mute signal output terminal to MAIN u-COM. |
| 49 | NC | – | No connect terminal. |
| 50 | | | |
| 51 | MARKET1 | I | Area setting up terminal. |
| 52 | MARKET2 | | |
| 53 | MARKET3 | | |
| 54 | $\overline{\text{AUTO-ADJ}}$ | I | Auto adjustment start signal terminal of FM/AM TUNER. L : start |
| 55 | NC | – | No connect terminal. |
| ~ | | | |
| 71 | | | |
| 72 | VSS | – | GND connect terminal. |
| 73 | NC | – | No connect terminal. |
| ~ | | | |
| 80 | | | |
| 81 | VDD | – | Power supply connect terminal. |
| 82 | NC | – | No connect terminal. |
| ~ | | | |
| 91 | | | |
| 92 | $\overline{\text{PAUSE}}$ | I | Audio signal detection terminal. L : Blank |
| 93 | $\overline{\text{DAVN}}$ | I | Data available input terminal of RDS Decoder(SAA6588T). |
| 94 | TEST/VPP | – | GND connect terminal. |
| 95 | RDS SDA | I/O | Data input/output terminal to RDS Decoder(SAA6588T). |
| 96 | RDS SCL | O | Clock output terminal to RDS Docoder(SAA6588T). |
| 97 | IIC SCL | O | I2C clock output terminal to TUNER/EEPROM. |
| 98 | IIC SDA | I/O | I2C data input/output terminal to TUNER/EEPROM. |
| 99 | $\overline{\text{TUNER ON}}$(NC) | – | No connect terminal. |
| 100 | $\overline{\text{FM}}$/AM1 | O | FM/AM+B switching terminal. L : FM |

**M30800FCGP : IC4001**

| No. | Symbol | I/O | Terminal Description |
|---|---|---|---|
| 1 | $\overline{\text{CS3FX}}$ | O | Chip select1 output terminal to CD Drive. |
| 2 | $\overline{\text{CD1FX}}$ | O | Chip select0 output terminal to CD Drive. |
| 3 | DA2 | O | Address2 output terminal to CD Drive. |
| 4 | DA1 | O | Address1 output terminal to CD Drive. |
| 5 | DA0 | O | Address0 output terminal to CD Drive. |
| 6 | BYTE/$\overline{\text{WORD}}$ | I | Outer data BUS width switching input terminal. (L : 16bit、H : 8bit) |
| 7 | SINGLE/$\overline{\text{MICRO}}$ | I | Processor mode switching input terminal.<br>(L : single chip, H : micro processor) |
| 8 | DEC RESET | O | RESET signal output terminal to MP3 DECODER IC. |

| No. | Symbol | I/O | Terminal Description |
|---|---|---|---|
| 9 | $\overline{\text{CD RESET}}$ | O | Reset signal output terminal to CD Drive. |
| 10 | $\overline{\text{RESET}}$ | I | System reset input terminal.<br>(Reset signal input terminal from MAIN u-COM.) |
| 11 | Xout | O | Crystal OSC connect terminal for main system clock OSC. |
| 12 | VSS | - | GND connect terminal. |
| 13 | Xin | I | Crystal OSC connect terminal for main system clock OSC. |
| 14 | VCC | - | Power supply connect terminal. |
| 15 | BATT-DET/$\overline{\text{NMI}}$ | I | BATT detect signal input terminal.<br>(When terminal input changed level H→L,generated NMI interrupt.) |
| 16 | CD DMARQ | I | DMA request signal terminal from CD Drive. |
| 17 | CD-INTRQ | I | Interrupt request signal terminal from CD Drive. |
| 18 | STBY-REQ | I | Stand-by request terminal from system u-COM. |
| 19 | CD DMAACK | O | DMA acknowledge output terminal to CD Drive. |
| 20 | CD+7 | O | Power supply switching (+7V) signal output terminal to CD mechanism. |
| 21 | ISBUS-FIN | I | Frame signal input terminal from system u-COM. |
| 22 | MP3-MUTE | O | MUTE request signal output terminal. (L : MUTE-ON) |
| 23 | ISBUS-FOUT | O | Frame signal output terminal to system u-COM. |
| 24 | NC | - | No connect terminal. |
| 25 | DEC-BIT | O | Bit enable signal output terminal to MP3-DECODER IC. |
| 26 | DEC-REQ | I | Data fowarding request signal input terminal from MP3-DECODER IC. |
| 27 | DEC-SCL | O | IIC serial clock output terminal. (to MP3-CONTROL terminal) |
| 28 | DEC-SDA | I/O | IIC serial data input/output terminal. (to MP3-CONTROL terminal) |
| 29 | DEC-SDI | O | Serial data output terminal to MP3-DECODER IC. |
| 30 | NC | - | No connect terminal. |
| 31 | DEC-SCK | O | Serial clock output terminal to MP3-DECODER IC. |
| 32 | NC | - | No connect terminal. |
| 33 | ISBUS-TX | O | Serial data output terminal to CPU. |
| 34 | ISBUS-RX | I | Serial data input terminal from CPU. |
| 35 | CD-$\overline{\text{IOR}}$ | O | CD I/O READ terminal. (L : data read from CD) |
| 36 | CD-$\overline{\text{IOW}}$ | O | CD I/O WRITE terminal. (L : command write to CD) |
| 37 | NC(PULL-UP) | - | Pull-up connect terminal. |
| 38 | NC | - | No connect terminal. |
| 39 | NC(PULL-UP) | - | Pull-up connect terminal. |
| 40 | NC | - | No connect terminal. |
| 41 | | | |
| 42 | $\overline{\text{RD}}$ | O | S-RAM output enable signal output terminal. |
| 43 | NC | - | No connect terminal. |
| 44 | $\overline{\text{WR}}$ | I | S-RAM R/W output terminal. |
| 45 | NC | - | No connect terminal. |
| ~ | | | |
| 49 | | | |
| 50 | A18 | O | S-RAM address BUS output terminal. |
| 51 | $\overline{\text{CS}}$ | O | S-RAM chip enable output terminal. |
| 52 | A16 | O | S-RAM address BUS output terminal. |
| 53 | A15 | | |
| 54 | A14 | | |
| 55 | A13 | | |
| 56 | A12 | | |
| 57 | A11 | O | S-RAM address BUS output terminal. |
| 58 | A10 | | |
| 59 | A9 | | |

| No. | Symbol | I/O | Terminal Description |
|---|---|---|---|
| 60 | VCC | - | Power supply connect terminal. |
| 61 | A8 | O | S-RAM address BUS output terminal. |
| 62 | VSS | - | GND connect terminal. |
| 63 | A7 | O | S-RAM address BUS output terminal. |
| 64 | A6 | | |
| 65 | A5 | | |
| 66 | A4 | | |
| 67 | A3 | | |
| 68 | A2 | | |
| 69 | A1 | | |
| 70 | A0 | | |
| 71 | CD-D15 | I/O | CD mechanism data BUS input/output terminal. |
| 72 | CD-D14 | | |
| 73 | CD-D13 | | |
| 74 | CD-D12 | | |
| 75 | CD-D11 | | |
| 76 | CD-D10 | | |
| 77 | CD-D9 | | |
| 78 | CD-D8 | I/O | CD Drive data BUS input/output terminal. |
| 79 | D7 | I/O | S-RAM data BUS output terminal. |
| 80 | D6 | | |
| 81 | D5 | | |
| 82 | D4 | | |
| 83 | D3 | I/O | S-RAM data BUS output terminal. |
| 84 | D2 | | |
| 85 | D1 | | |
| 86 | D0 | | |
| 87 | CD-D7 | I/O | CD mechanism data BUS input/output terminal. |
| 88 | CD-D6 | | |
| 89 | CD-D5 | | |
| 90 | CD-D4 | | |
| 91 | CD-D3 | | |
| 92 | CD-D2 | | |
| 93 | CD-D1 | | |
| 94 | AVSS | - | GND connect terminal of A/D converter. |
| 95 | CD-D0 | I/O | CD mechanism data BUS input/output terminal. |
| 96 | AVref | I | Standard voltage input terminal of A/D converter. |
| 97 | AVCC | I | Power supply input terminal of A/D converter. |
| 98 | CD-IORDY | I | I/O channel READY signal input terminal from CD Drive. |
| 99 | THERMAL IN | I | Thermistor input terminal for measuring of CD Drive pick-up temperature. |
| 100 | CDMUTE | I | A-MUTE request signal input terminal from CD Drive. |

M30800FCGP : IC10 (DV36T030)

| No. | Symbol | I/O | Description |
|---|---|---|---|
| 1 | MCHLED | O | The terminal light LED during Mechanism data access. |
| 2 | AMUTE | O | Audio-Mute terminal. |
| 3 | NC | - | No connect terminal. |

| No. | Symbol | I/O | Terminal Description |
|---|---|---|---|
| 4 | EJECT | I | EJECT Key input terminal. |
| 5 | FG | I | Pulse input terminal of Motor rotation. |
| 6 | PULL-UP | - | Pull-up connect terminal. |
| 7 | VSS(T PGM/OE/MD) | - | VSS connect terminal. |
| 8 | NC | - | No connect terminal. |
| 9 | | | |
| 10 | /RESET(T RESET) | - | RESET circuit terminal. : RESET ON at Low |
| 11 | XOUT | - | 15.1MHz ceramic lock connect terminal. |
| 12 | VSS | - | GND connect terminal. |
| 13 | XIN | - | 15.1MHz ceramic lock connect terminal. |
| 14 | VCC | - | +5V connect terminal. |
| 15 | PULL-UP | - | Pull-up connect terminal. |
| 16 | 92/MINT2 | I | MINT2 interrupt signal input terminal from TC9469BF. |
| 17 | 92/MINT1 | I | MINT1 interrupt signal input terminal from TC9469BF. |
| 18 | 97/MINT | I | MINT interrupt signal input terminal from TC9497F. |
| 19 | E2PSDA | O | Two-wire SDA signal terminal for E2PROM communication. |
| 20 | E2PSCL | O | Two-wire SCL signal terminal for E2PROM communication. |
| 21 | TEST3 | - | TEST3 terminal. |
| 22 | TEST2 | - | TEST2 terminal. |
| 23 | TEST1 | - | TEST1 terminal. |
| 24 | EOF(NC) | - | No connect terminal. |
| 25 | NC(VCONT) | | |
| 26 | NC | | |
| 27 | | | |
| 28 | LMTSW | I | LIMIT SW terminal from Mechanism SW. |
| 29 | D232COUT(T TXD) | O | Debug string output terminal. : 232C 9600 b8 s1 output |
| 30 | D232CIN(T RXD) | I | Debug string input terminal. : 232C 9600 b8 s1 input |
| 31 | NC(T CLK) | - | No connect terminal. |
| 32 | NC(T BUSY) | | |
| 33 | H232COUT | O | 232C 9600 b8 s1 output terminal for host communication. |
| 34 | H232CIN | I | 232C 9600 b8 s1 input terminal for host communication. |
| 35 | PS | O | Output terminal of SPINDLE MUTE signal. |
| 36 | SRV MUTE | O | Output terminal of SERVO MUTE signal. |
| 37 | PULL-UP | - | Pull-up connect terminal. |
| 38 | START | O | The first set up SW terminal. |
| 39 | PULL-UP(EPM) | - | Pull-up connect terminal. |
| 40 | NC | - | No connect terminal. |
| 41 | | | |
| 42 | MOTOR2 | O | Mechanism : MOTOR2 signal terminal. |
| 43 | MOTOR1 | O | Mechanism : MOTOR1 signal terminal. |
| 44 | NC(CE) | - | No connect terminal. |
| 45 | NC | | |
| 46 | 92/MCE | O | Output terminal of MCE signal to TC9469BF. |
| 47 | 92/MWR | O | Output terminal of MWR signal to TC9469BF. |
| 48 | 92/MRD | O | Output terminal of MRD signal to TC9469BF. |
| 49 | 97/MCE | O | Output terminal of MCE signal to TC9497F. |
| 50 | 97/MWR | O | Output terminal of MWR signal to TC9497F. |
| 51 | 97/MRD | O | Output terminal of MRD signal to TC9497F. |

| No. | Symbol | I/0 | Description |
|---|---|---|---|
| 52 | 97/MA | 0 | Output terminal of MA signal to TC9497F. |
| 53 | 97/MD7 | I/0 | Input/output terminal of MD signal to TC9497F. |
| 54 | 97/MD6 | | |
| 55 | 97/MD5 | | |
| 56 | 97/MD4 | | |
| 57 | 97/MD3 | | |
| 58 | 97/MD2 | | |
| 59 | 97/MD1 | | |
| 60 | VCC | – | +5V connect terminal. |
| 61 | 97/MD0 | I/0 | Input/output terminal of MD signal to TC9497F. |
| 62 | VSS | – | GND connect terminal. |
| 63 | NC | – | No connect terminal. |
| 64 | MA6 | 0 | Output terminal of MA signal to TC9469BF. |
| 65 | MA5 | | |
| 66 | MA4 | | |
| 67 | MA3 | | |
| 68 | MA2 | | |
| 69 | MA1 | | |
| 70 | MA0 | | |
| 71 | NC(/B-HOLD) | – | No connect terminal. |
| 72 | NC(/ACC) | | |
| 73 | /LDCNT | 0 | Output terminal of /LDCNT signal. |
| 74 | /FDCNT | 0 | Output terminal of /FDCNT signal. |
| 75 | LDCNT | 0 | Output terminal of LDCNT signal. |
| 76 | FDCNT | 0 | Output terminal of FDCNT signal. |
| 77 | 97/RST | 0 | LSI reset terminal of system SERVO. |
| 78 | 92/RST | 0 | LSI reset terminal of system ATAPI. |
| 79 | MD7 | I/0 | Input/output terminal of MD signal to TC9469BF. |
| 80 | MD6 | | |
| 81 | MD5 | | |
| 82 | MD4 | | |
| 83 | MD3 | | |
| 84 | MD2 | | |
| 85 | MD1 | | |
| 86 | MD0 | | |
| 87 | PHOTO1 | I | System Mechanism SW terminal. |
| 88 | PHOTO2 | | |
| 89 | PHOTO3 | | |
| 90 | SW1 | I | Mechanism : Chucking SW terminal. |
| 91 | NC | – | No connect terminal. |
| 92 | | | |
| 93 | HTMP | I | High-temperature detection signal terminal. |
| 94 | AVSS | – | GND connect terminal. |
| 95 | LTMP | I | Low-temperature detection signal terminal. |
| 96 | VREF | – | +5V connect terminal. |
| 97 | AVCC | | |
| 98 | NC | – | No connect terminal. |
| ≀ | | | |
| 100 | | | |

# Electrical Parts List

Capacitor : μF=microfarads,pF=picofarads

Abbreviations

RES.= Resistor
C.F.= Carbon Film
M.F.= Metal Film
M.O.= Metal OxideFilm
M.P.= Metal Plate
TR. = Transistor
TRANS.= Transformer
CP. = Chip

CAP.= Capacitor
ELY.= Electrolytic
CER.= Ceramic
MYL.= Mylar
TAN.= Tantalum
POLY.= Polystyrol
PP. = Polypropylene
PLT.= Polyethylene
PF. = Polyester Film

| Symbol No. | Part No. | Description |
|---|---|---|
| Main P.W.Board | | |
| IC's | | |
| IC001 | 51T45496Y01 | TDA7510 -QT |
| IC201 | 51T93333F01 | NJM2904M-TE3 -SE2 |
| IC202 | 51T25576W08 | NJM4580ED-TE2 -SE2 |
| IC203 | 51T25576W08 | NJM4580ED-TE2 -SE2 |
| IC204 | 51T25576W08 | NJM4580ED-TE2 -SE2 |
| IC501 | 51T45460Y06 | MTP,M30803FGGP |
| IC502 | 51T95048W01 | BA3834F -SE9 |
| IC503 | 51T15132Y02 | SAA6588T -SE9 |
| IC504 | 51T35566Y25 | MTP,D78F4216AGC |
| IC505 | 51T25448Y01 | BA6219BFP-Y-E2 -SE9 |
| IC506 | 51T25160Y01 | M24C04-WMN6T -SE2 |
| IC507 | 51T25069Y01 | TC7WH34FU-TE12L -SE1 |
| IC524 | 51T55070W05 | MB88385CPF-ER -SE9 |
| IC803 | 51T35403Y01 | TDA7560 -ZS |
| IC804 | 51T95193W01 | TDA3606AT -SE9 |
| IC805 | 51T25259Y03 | BA00ASFP-E2 -NE5 |
| Transistors/FET's | | |
| Q002 | 48T35548Y04 | TR,2SB710A-S-TX -CP |
| Q003 | 48T16465W01 | FET,CP.3SK195-Y-R |
| Q004 | 48T15606Y01 | FET,FC18-TL -CP |
| Q005 | 48T64222F05 | TR ,UN2215 10 -TX |
| Q007 | 48T64221F13 | TR,UN211H-TX -CP |
| Q201 | 48T64222F02 | TR ,UN2212 22-22 -TX |
| Q202 | 48T25317Y01 | TR,XN0F256-TX -CP |
| Q203 | 48T25317Y01 | TR,XN0F256-TX -CP |
| Q204 | 48T25317Y01 | TR,XN0F256-TX -CP |
| Q501 | 48T64222F01 | TR ,UN2211 10-10 -TX |
| Q503 | 48T64222F01 | TR ,UN2211 10-10 -TX |
| Q504 | 48T93828F04 | TR,2SD1994A-S-TA -RD |
| Q505 | 48T93828F04 | TR,2SD1994A-S-TA -RD |
| Q506 | 48T45594W12 | TR ,XN1A312 -TX-CP |
| Q507 | 48T45594W12 | TR ,XN1A312 -TX-CP |
| Q508 | 48T64222F01 | TR ,UN2211 10-10 -TX |
| Q509 | 48T35548Y04 | TR,2SB710A-S-TX -CP |
| Q510 | 48T64222F01 | TR ,UN2211 10-10 -TX |
| Q511 | 48T64222F02 | TR ,UN2212 22-22 -TX |
| Q512 | 48T45594W12 | TR ,XN1A312 -TX-CP |
| Q513 | 48T64221F02 | TR ,UN2112 22-22 -TX |
| Q514 | 48T64222F02 | TR ,UN2212 22-22 -TX |
| Q801 | 48T45594W12 | TR ,XN1A312 -TX-CP |
| Q802 | 48T64222F02 | TR ,UN2212 22-22 -TX |
| Q803 | 48T35548Y04 | TR,2SB710A-S-TX -CP |
| Q806 | 48T64222F02 | TR ,UN2212 22-22 -TX |
| Q810 | 48T69176F02 | TR ,2SC3421-Y |
| Q811 | 48T95577W01 | TR,2SB1434-RS -RD |
| Q812 | 48T45594W16 | TR,XN1A311-TX -CP |
| Q813 | 48T45594W12 | TR ,XN1A312 -TX-CP |
| Q814 | 48T45594W12 | TR ,XN1A312 -TX-CP |
| Q815 | 48T64222F02 | TR ,UN2212 22-22 -TX |
| Q816 | 48T64221F11 | TR,UN211L-TX -CP |
| Q817 | 48T64222F11 | TR,UN221F-TX -CP |
| Q818 | 48T25576Y02 | TR,2SD1746-P-TX -E9 |
| Q820 | 48T95577W01 | TR,2SB1434-RS -RD |
| Q821 | 48T64222F12 | TR,UN221L-TX -CP |
| Q826 | 48T45594W12 | TR ,XN1A312 -TX-CP |
| Diodes | | |
| D001 | 48T15437Y01 | DIO,HSM123-TL -CP |
| D002 | 48T65157W01 | DIO,VAR KV1410 -XX |
| D003 | 48T65157W01 | DIO,VAR KV1410 -XX |
| D004 | 48T65157W01 | DIO,VAR KV1410 -XX |
| D005 | 48T25619Y01 | DIO,1SV316-TB -CP |
| D013 | 48T68806F01 | DIO,1SV172/L -CP |
| D201 | 48T25651W01 | DIO,CP MA152WA |
| D202 | 48T25651W01 | DIO,CP MA152WA |
| D203 | 48T25651W01 | DIO,CP MA152WA |
| D501 | 48T81063F01 | DIO,CP.MA159 / TX-CP |
| D502 | 48T25651W02 | DIO,MA152WK-TX -CP |
| D503 | 48T44813F03 | DIO,MA165 -R5 |
| D504 | 48T25665Y01 | DIO,1SS355-TE17 -CP |
| D505 | 48T25665Y01 | DIO,1SS355-TE17 -CP |
| D506 | 48T25665Y01 | DIO,1SS355-TE17 -CP |
| D510 | 48T25665Y01 | DIO,1SS355-TE17 -CP |
| D511 | 48T25665Y01 | DIO,1SS355-TE17 -CP |
| D802 | 48T85357W01 | DIO,1PS226 -CP |
| D803 | 48T25593Y01 | DIO,S1G-6601 -E1 |
| D804 | 48T25665Y01 | DIO,1SS355-TE17 -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| D805 | 48T15658Y02 | DIO,1A4 -R5 |
| D806 | 48T95572W01 | DIO,SHT MA736-TX -E1 |
| D807 | 48T95572W01 | DIO,SHT MA736-TX -E1 |
| D808 | 48T95572W01 | DIO,SHT MA736-TX -E1 |
| D809 | 48T95572W01 | DIO,SHT MA736-TX -E1 |
| D810 | 48T95572W01 | DIO,SHT MA736-TX -E1 |
| D811 | 48T95572W01 | DIO,SHT MA736-TX -E1 |
| D812 | 48T95572W01 | DIO,SHT MA736-TX -E1 |
| D813 | 48T95572W01 | DIO,SHT MA736-TX -E1 |
| D814 | 48T85427W01 | DIO,DSM3MA4 -E5 |
| D816 | 48T25651W02 | DIO,MA152WK-TX -CP |
| D817 | 48T25651W02 | DIO,MA152WK-TX -CP |
| ZD501 | 48T25766W36 | DIO,ZEN.HZS12A1L -R5 |
| ZD502 | 48T25801W08 | DIO,ZEN.HZS 4BLL -R5 |
| ZD503 | 48T84735F08 | DIO,ZEN MA3056-M -CP |
| ZD504 | 48T84735F18 | DIO,ZEN.MA3075-H -CP |
| ZD505 | 48T84735F18 | DIO,ZEN.MA3075-H -CP |
| ZD802 | 48T25766W35 | DIO,ZEN.HZS11C3L -R5 |
| ZD803 | 48T25766W14 | DIO,ZEN.HZS 7B2L -R5 |
| ZD806 | 48T25766W24 | DIO,ZEN.HZS 9C1L -R5 |
| Coils | | |
| L001 | 24T25164Y17 | IND,FSLM2520 2R2J-CP |
| L002 | 24T65172W17 | IND,LEM4532 4R7K -E2 |
| L003 | 24T35286Y01 | IND,MG56 523J -DB |
| L004 | 24T65234W29 | IND,LK3216 15RM-CP |
| L005 | 24T25164Y17 | IND,FSLM2520 2R2J-CP |
| L006 | 24T15758Y19 | IND,NLFC 102K -CP |
| L007 | 24T25164Y35 | IND,FSLM2520 68RJ-CP |
| L009 | 24T95586W07 | IND,LK3216 R22K -CP |
| L010 | 24T65176W37 | IND,NL453232 102J-E2 |
| L013 | 24T95456W07 | IND,BLM11B102SPT -CP |
| VT001 | 24T45428Y02 | COIL,ANTI FM 5KR -DB |
| VT002 | 24T45429Y02 | COIL,RF FM 5KR -DB |
| VT003 | 24T45427Y02 | COIL,OSC F/A 5KR -DB |
| VT004 | 24T45563Y01 | COIL,IFT1 F/A 5PG-DB |
| VT005 | 24T45563Y02 | COIL,IFT2 AM 5PG -DB |
| Crystals | | |
| XL001 | 91T45560Y01 | XTL,HC-49 10.25M -R5 |
| XL002 | 91T15651Y01 | CERFIL,CFWS450HT9-DB |
| XL501 | 91T85169W99 | XTL,HC-49 12.288M-R5 |
| XL503 | 91T95554W01 | XTL,CM200S 32.76K-E5 |
| XL504 | 91T95084W04 | XTL,CS20 20.000M -E9 |
| XL505 | 91T85169W18 | XTL,HC-49 4.332M -R5 |
| XL506 | 91T85169W12 | XTL,HC-49 4.000 -R5 |

| Symbol No. | Part No. | Description |
|---|---|---|
| Filters | | |
| CF001 | 91T35405W03 | CERFIL,SFE10.7MS3-RD |
| CF002 | 91T35405W03 | CERFIL,SFE10.7MS3-RD |
| CF003 | 91T35405W03 | CERFIL,SFE10.7MS3-RD |
| L503 | 91T15509Y08 | EMI,BK1608HM102 -CP |
| L504 | 91T15509Y08 | EMI,BK1608HM102 -CP |
| Z001 | 91T95452W06 | EMI,NFM39R12C102 -CP |
| Z002 | 91T95452W06 | EMI,NFM39R12C102 -CP |
| LED's | | |
| LD501 | 48T65477W05 | LED,SML-010DTT87 -CP(ORG) |
| LD502 | 48T65477W05 | LED,SML-010DTT87 -CP(ORG) |
| Buzzer | | |
| BZ501 | 50T85541W01 | BUZZER,CD11PA-XZ -H5 |
| Surge Protector | | |
| SA002 | 48T81909F01 | PTT,DSP-201M -A1 |
| Switch | | |
| SW201 | 40T45282W02 | SW,SLIDE SLD-42-508X<br>(Ai-NET·NORM/(EQ/DIV)) |
| Capacitors | | |
| C001 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C002 | 08S45677W12 | CAP,CER.10RD-CH1H-CP |
| C003 | 08S45677W60 | CAP,CER 102J-CH1H-CP |
| C004 | 08S45677W09 | CAP,CER 7R0D-CH1H-CP |
| C005 | 08S45677W13 | CAP,CER 11RJ-CH1H-CP |
| C006 | 08S45677W02 | CAP,CER 1R0C-CH1H-CP |
| C007 | 08S45677W07 | CAP,CER.5R0C-CH1H-CP |
| C009 | 08S45677W10 | CAP,CER 8R0D-CH1H-CP |
| C011 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C012 | 08S45676W69 | CAP,CER.472K-B1H -CP |
| C013 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C014 | 08S45677W60 | CAP,CER 102J-CH1H-CP |
| C015 | 08S45677W32 | CAP,CER.68RJ-CH1H-CP |
| C016 | 08S45677W36 | CAP,CER.101J-CH1H-CP |
| C017 | 08S45676W73 | CAP,CER.103K-B1H -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| C018 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C019 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C020 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C021 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C022 | 08S45676W68 | CAP,CER.392K-B1H -CP |
| C023 | 08S45677W38 | CAP,CER 121J-CH1H-CP |
| C024 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C025 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C026 | 08S45677W60 | CAP,CER 102J-CH1H-CP |
| C027 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C028 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C031 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C032 | 08S45677W32 | CAP,CER.68RJ-CH1H-CP |
| C033 | 08S45676W67 | CAP,CER.332K-B1H -CP |
| C034 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C035 | 08S45677W02 | CAP,CER 1R0C-CH1H-CP |
| C036 | 08S45677W20 | CAP,CER.22RJ-CH1H-CP |
| C037 | 08S45677W16 | CAP,CER.15RJ-CH1H-CP |
| C038 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C039 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C040 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C041 | 08S45676W65 | CAP,CER.222K-B1H -CP |
| C042 | 08S45677W60 | CAP,CER 102J-CH1H-CP |
| C043 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C044 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C045 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C046 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C047 | 08S45677W09 | CAP,CER 7R0D-CH1H-CP |
| C048 | 08S45677W08 | CAP,CER.6R0D-CH1H-CP |
| C049 | 08S45677W08 | CAP,CER.6R0D-CH1H-CP |
| C050 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C051 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C052 | 08S45677W12 | CAP,CER.10RD-CH1H-CP |
| C053 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C054 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C055 | 08S45677W36 | CAP,CER.101J-CH1H-CP |
| C056 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C057 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C059 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C060 | 08S35374W08 | CAP,CER 474K-B1C -CP |
| C061 | 08S35374W08 | CAP,CER 474K-B1C -CP |
| C062 | 08S45677W07 | CAP,CER.5R0C-CH1H-CP |
| C063 | 08S45677W05 | CAP,CER.3R0C-CH1H-CP |
| C064 | 08S45677W07 | CAP,CER.5R0C-CH1H-CP |
| C090 | 08S45677W36 | CAP,CER.101J-CH1H-CP |
| C097 | 08S45676W83 | CAP,CER 473K-B1C -CP |
| C098 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C099 | 08S45677W60 | CAP,CER 102J-CH1H-CP |
| C201 | 08S45676W75 | CAP,CER.153K-B1H -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| C204 | 08S45677W28 | CAP,CER 47RJ-CH1H-CP |
| C205 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C206 | 08S45677W60 | CAP,CER 102J-CH1H-CP |
| C207 | 08S45676W84 | CAP,CER 683K-B1C -CP |
| C210 | 08S35374W08 | CAP,CER 474K-B1C -CP |
| C212 | 08S45677W25 | CAP,CER 36RJ-CH1H-CP |
| C213 | 08S45677W25 | CAP,CER 36RJ-CH1H-CP |
| C214 | 08S45677W25 | CAP,CER 36RJ-CH1H-CP |
| C215 | 08S45677W25 | CAP,CER 36RJ-CH1H-CP |
| C216 | 08S45677W25 | CAP,CER 36RJ-CH1H-CP |
| C217 | 08S45677W25 | CAP,CER 36RJ-CH1H-CP |
| C231 | 08S45676W63 | CAP,CER 152K-B1H -CP |
| C232 | 08S45676W63 | CAP,CER 152K-B1H -CP |
| C233 | 08S45676W63 | CAP,CER 152K-B1H -CP |
| C234 | 08S45676W63 | CAP,CER 152K-B1H -CP |
| C235 | 08S45676W63 | CAP,CER 152K-B1H -CP |
| C236 | 08S45676W63 | CAP,CER 152K-B1H -CP |
| C237 | 08S45676W66 | CAP,CER.272K-B1H -CP |
| C238 | 08S45676W66 | CAP,CER.272K-B1H -CP |
| C239 | 08S45676W66 | CAP,CER.272K-B1H -CP |
| C240 | 08S45676W66 | CAP,CER.272K-B1H -CP |
| C241 | 08S45676W66 | CAP,CER.272K-B1H -CP |
| C242 | 08S45676W66 | CAP,CER.272K-B1H -CP |
| C243 | 08S45676W64 | CAP,CER.182K-B1H -CP |
| C244 | 08S45676W64 | CAP,CER.182K-B1H -CP |
| C245 | 08S45676W64 | CAP,CER.182K-B1H -CP |
| C246 | 08S45676W64 | CAP,CER.182K-B1H -CP |
| C247 | 08S45676W64 | CAP,CER.182K-B1H -CP |
| C248 | 08S45676W64 | CAP,CER.182K-B1H -CP |
| C501 | 08S45677W54 | CAP,CER 561J-CH1H-CP |
| C502 | 08S45677W48 | CAP,CER.331J-CH1H-CP |
| C503 | 08S60102F48 | CAP,CER 105K-B1E -CP |
| C504 | 08S45677W36 | CAP,CER.101J-CH1H-CP |
| C505 | 08S45676W65 | CAP,CER.222K-B1H -CP |
| C506 | 08S45677W22 | CAP,CER.27RJ-CH1H-CP |
| C507 | 08S45677W21 | CAP,CER 24RJ-CH1H-CP |
| C508 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C509 | 08S45677W36 | CAP,CER.101J-CH1H-CP |
| C511 | 08S45677W18 | CAP,CER.18RJ-CH1H-CP |
| C512 | 08S45677W18 | CAP,CER.18RJ-CH1H-CP |
| C513 | 08S45677W14 | CAP,CER.12RJ-CH1H-CP |
| C514 | 08S45677W16 | CAP,CER.15RJ-CH1H-CP |
| C515 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C516 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C517 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C518 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C519 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C520 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C521 | 08S45676W80 | CAP,CER 223K-B1E -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| C522 | 08S45676W65 | CAP,CER.222K-B1H -CP |
| C523 | 08S45677W14 | CAP,CER.12RJ-CH1H-CP |
| C524 | 08S45677W18 | CAP,CER.18RJ-CH1H-CP |
| C525 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C526 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C527 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C529 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C530 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C531 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C532 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C533 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C534 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C535 | 08S45677W36 | CAP,CER.101J-CH1H-CP |
| C536 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C537 | 08S45676W65 | CAP,CER.222K-B1H -CP |
| C538 | 08S45677W18 | CAP,CER.18RJ-CH1H-CP |
| C539 | 08S45677W20 | CAP,CER.22RJ-CH1H-CP |
| C540 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C541 | 08S45677W36 | CAP,CER.101J-CH1H-CP |
| C542 | 08S45677W42 | CAP,CER.181J-CH1H-CP |
| C543 | 08S45677W42 | CAP,CER.181J-CH1H-CP |
| C544 | 08S45677W60 | CAP,CER 102J-CH1H-CP |
| C545 | 08S45677W56 | CAP,CER 681J-CH1H-CP |
| C546 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C547 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C804 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C807 | 08T55390W34 | CAP,TF 274J-1H -R5 |
| C808 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C809 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C810 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C811 | 08S35350Y04 | CAP,CER 105K-B1C -CP |
| C814 | 08T25628Y03 | CAP,TF 224M-1C -CP |
| C815 | 08T25628Y03 | CAP,TF 224M-1C -CP |
| C816 | 08T25628Y03 | CAP,TF 224M-1C -CP |
| C817 | 08T25628Y03 | CAP,TF 224M-1C -CP |
| C818 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C819 | 08T25628Y02 | CAP,TF 105M-1C -CP |
| C820 | 08T25628Y02 | CAP,TF 105M-1C -CP |
| C821 | 08T25628Y02 | CAP,TF 105M-1C -CP |
| C822 | 08T25628Y02 | CAP,TF 105M-1C -CP |
| E001 | 23S65134W81 | CAP,ELY 22R-1C(4)-E2 |
| E003 | 23S65134W65 | CAP,ELY 1R0-1H(3)-E2 |
| E004 | 23S45639Y22 | CAP,ELY 1R0-1H -R2 |
| E005 | 23S65134W65 | CAP,ELY 1R0-1H(3)-E2 |
| E006 | 23S65134W81 | CAP,ELY 22R-1C(4)-E2 |
| E007 | 23S65134W81 | CAP,ELY 22R-1C(4)-E2 |
| E008 | 23S65134W81 | CAP,ELY 22R-1C(4)-E2 |
| E011 | 23S65134W31 | CAP,ELY 10R-1C(4)-E2 |
| E012 | 23S65134W81 | CAP,ELY 22R-1C(4)-E2 |

| Symbol No. | Part No. | Description |
|---|---|---|
| E014 | 23S65134W81 | CAP,ELY 22R-1C(4)-E2 |
| E015 | 23S65134W81 | CAP,ELY 22R-1C(4)-E2 |
| E016 | 23S65134W65 | CAP,ELY 1R0-1H(3)-E2 |
| E201 | 23S65134W32 | CAP,ELY 22R-1C(5)-E3 |
| E203 | 23S65134W32 | CAP,ELY 22R-1C(5)-E3 |
| E204 | 23S65134W31 | CAP,ELY 10R-1C(4)-E2 |
| E206 | 23S45639Y23 | CAP,ELY 2R2-1H -R2 |
| E207 | 23S45639Y23 | CAP,ELY 2R2-1H -R2 |
| E208 | 23S45639Y23 | CAP,ELY 2R2-1H -R2 |
| E209 | 23S45639Y23 | CAP,ELY 2R2-1H -R2 |
| E210 | 23S45639Y23 | CAP,ELY 2R2-1H -R2 |
| E211 | 23S45639Y23 | CAP,ELY 2R2-1H -R2 |
| E212 | 23S45639Y08 | CAP,ELY 22R-1C -R2 |
| E213 | 23S45639Y08 | CAP,ELY 22R-1C -R2 |
| E214 | 23S45639Y08 | CAP,ELY 22R-1C -R2 |
| E215 | 23S45639Y08 | CAP,ELY 22R-1C -R2 |
| E216 | 23S45639Y08 | CAP,ELY 22R-1C -R2 |
| E217 | 23S45639Y08 | CAP,ELY 22R-1C -R2 |
| E218 | 23S45639Y23 | CAP,ELY 2R2-1H -R2 |
| E219 | 23S45639Y23 | CAP,ELY 2R2-1H -R2 |
| E220 | 23S45639Y23 | CAP,ELY 2R2-1H -R2 |
| E221 | 23S45639Y23 | CAP,ELY 2R2-1H -R2 |
| E222 | 23S45639Y23 | CAP,ELY 2R2-1H -R2 |
| E223 | 23S45639Y23 | CAP,ELY 2R2-1H -R2 |
| E502 | 23S65134W31 | CAP,ELY 10R-1C(4)-E2 |
| E503 | 23S65134W51 | CAP,ELY 2R2-1V(3)-E2 |
| E504 | 23S45639Y08 | CAP,ELY 22R-1C -R2 |
| E505 | 23S65134W24 | CAP,ELY 221-1A(8)-E6 |
| E506 | 23S45639Y07 | CAP,ELY 10R-1C -R2 |
| E507 | 23S45639Y09 | CAP,ELY 47R-1C -R2 |
| E508 | 23S45639Y06 | CAP,ELY 221-1A -R2 |
| E509 | 23S55311W32 | CAP,TAN.6R8-1C-B -CP |
| E510 | 23S45639Y06 | CAP,ELY 221-1A -R2 |
| E801 | 23T75346W03 | CAP,X-PRO 332-1C + |
| E802 | 23S45639Y10 | CAP,ELY 101-1C -R2 |
| E804 | 23S45639Y06 | CAP,ELY 221-1A -R2 |
| E806 | 23S45639Y06 | CAP,ELY 221-1A -R2 |
| E807 | 23S45639Y11 | CAP,ELY 33R-1E -R2 |
| E808 | 23S45639Y10 | CAP,ELY 101-1C -R2 |
| E810 | 23S45639Y10 | CAP,ELY 101-1C -R2 |
| E811 | 23S65134W65 | CAP,ELY 1R0-1H(3)-E2 |
| E812 | 23S65134W31 | CAP,ELY 10R-1C(4)-E2 |
| E813 | 23S65134W61 | CAP,ELY 0R1-1H(3)-E2 |
| E814 | 23S45639Y07 | CAP,ELY 10R-1C -R2 |
| E816 | 23T95564W25 | CAP,FC 47R-1V-E -E6 |
| E817 | 23S45639Y10 | CAP,ELY 101-1C -R2 |
| E818 | 23S65134W65 | CAP,ELY 1R0-1H(3)-E2 |
| E819 | 23S65134W23 | CAP,ELY 101-1A(6)-E6 |
| E820 | 23S55311W65 | CAP,TAN.R47-1V-A -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| E821 | 23S65134W72 | CAP,ELY 3R3-1H(4)-E2 |
| E822 | 23S55311W65 | CAP,TAN.R47-1V-A -CP |
| Resistors | | |
| R001 | 06T25277Y69 | RES,RK 332J 1/16 -CP |
| R002 | 06T25277Y61 | RES,RK 152J 1/16 -CP |
| R004 | 06T25277Y17 | RES,RK 22RJ 1/16 -CP |
| R006 | 06S70072F05 | RES,CP .10R-J-1/4-CP |
| R007 | 06T25277Y65 | RES,RK 222J 1/16 -CP |
| R008 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R009 | 06T25277Y65 | RES,RK 222J 1/16 -CP |
| R010 | 06T25279Y01 | RES,RK 105J 1/16 -CP |
| R011 | 06T25277Y73 | RES,RK 472J 1/16 -CP |
| R012 | 06T25277Y09 | RES,RK 10RJ 1/16 -CP |
| R013 | 06T25277Y99 | RES,RK 563J 1/16 -CP |
| R015 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R016 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R017 | 06T25277Y33 | RES,RK 101J 1/16 -CP |
| R018 | 06T25277Y99 | RES,RK 563J 1/16 -CP |
| R019 | 06T25277Y73 | RES,RK 472J 1/16 -CP |
| R020 | 06T25277Y99 | RES,RK 563J 1/16 -CP |
| R021 | 06T25278Y22 | RES,RK 474J 1/16 -CP |
| R023 | 06T25277Y75 | RES,RK 562J 1/16 -CP |
| R024 | 06T25277Y53 | RES,RK 681J 1/16 -CP |
| R028 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R029 | 06T25277Y99 | RES,RK 563J 1/16 -CP |
| R030 | 06T25277Y75 | RES,RK 562J 1/16 -CP |
| R031 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R032 | 06T75433W33 | RES,RK 221J 1/4 -CP |
| R037 | 06T25277Y99 | RES,RK 563J 1/16 -CP |
| R043 | 06T25277Y05 | RES,RK 4R7J 1/16 -CP |
| R044 | 06T25277Y05 | RES,RK 4R7J 1/16 -CP |
| R045 | 06T25277Y09 | RES,RK 10RJ 1/16 -CP |
| R050 | 06T25277Y83 | RES,RK 123J 1/16 -CP |
| R051 | 06T25277Y09 | RES,RK 10RJ 1/16 -CP |
| R052 | 06T25277Y09 | RES,RK 10RJ 1/16 -CP |
| R098 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R201 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R202 | 06T25277Y73 | RES,RK 472J 1/16 -CP |
| R203 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R207 | 06T25277Y93 | RES,RK 333J 1/16 -CP |
| R209 | 06T75434W06 | RES,RK 224J 1/4 -CP |
| R210 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R211 | 06T25277Y65 | RES,RK 222J 1/16 -CP |
| R212 | 06T25277Y80 | RES RK 912J 1/16 -CP |
| R213 | 06T25277Y58 | RES,RK 112J 1/16 -CP |
| R214 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R215 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R216 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R217 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R221 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R222 | 06T25277Y87 | RES,RK 183J 1/16 -CP |
| R223 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R224 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R225 | 06T25277Y87 | RES,RK 183J 1/16 -CP |
| R227 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R229 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R230 | 06T25277Y87 | RES,RK 183J 1/16 -CP |
| R231 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R232 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R233 | 06T25277Y87 | RES,RK 183J 1/16 -CP |
| R235 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R236 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R238 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R239 | 06T25277Y87 | RES,RK 183J 1/16 -CP |
| R240 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R250 | 06T25277Y87 | RES,RK 183J 1/16 -CP |
| R261 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R262 | 06T75433W33 | RES,RK 221J 1/4 -CP |
| R263 | 06T75433W25 | RES,RK 101J 1/4 -CP |
| R264 | 06T75433W33 | RES,RK 221J 1/4 -CP |
| R265 | 06T75433W25 | RES,RK 101J 1/4 -CP |
| R266 | 06T25277Y96 | RES,RK 433J 1/16 -CP |
| R267 | 06T25277Y96 | RES,RK 433J 1/16 -CP |
| R268 | 06T25277Y96 | RES,RK 433J 1/16 -CP |
| R269 | 06T25277Y96 | RES,RK 433J 1/16 -CP |
| R270 | 06T75433W33 | RES,RK 221J 1/4 -CP |
| R271 | 06T75433W25 | RES,RK 101J 1/4 -CP |
| R272 | 06T75433W33 | RES,RK 221J 1/4 -CP |
| R273 | 06T75433W25 | RES,RK 101J 1/4 -CP |
| R274 | 06T75433W33 | RES,RK 221J 1/4 -CP |
| R275 | 06T75433W25 | RES,RK 101J 1/4 -CP |
| R276 | 06T25277Y96 | RES,RK 433J 1/16 -CP |
| R277 | 06T25277Y96 | RES,RK 433J 1/16 -CP |
| R278 | 06T75433W33 | RES,RK 221J 1/4 -CP |
| R279 | 06T75433W25 | RES,RK 101J 1/4 -CP |
| R281 | 06T25277Y59 | RES,RK 122J 1/16 -CP |
| R282 | 06T25277Y59 | RES,RK 122J 1/16 -CP |
| R283 | 06T25277Y59 | RES,RK 122J 1/16 -CP |
| R284 | 06T25277Y59 | RES,RK 122J 1/16 -CP |
| R285 | 06T25277Y59 | RES,RK 122J 1/16 -CP |
| R286 | 06T25277Y59 | RES,RK 122J 1/16 -CP |
| R287 | 06T25277Y61 | RES,RK 152J 1/16 -CP |
| R288 | 06T25277Y61 | RES,RK 152J 1/16 -CP |
| R289 | 06T25277Y61 | RES,RK 152J 1/16 -CP |
| R290 | 06T25277Y61 | RES,RK 152J 1/16 -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| R291 | 06T25277Y61 | RES,RK 152J 1/16 -CP |
| R292 | 06T25277Y61 | RES,RK 152J 1/16 -CP |
| R293 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R294 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R295 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R296 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R297 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R298 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R500 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R501 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R502 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R503 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R504 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R505 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R506 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R507 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R508 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R509 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R510 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R511 | 06T75433W81 | RES,RK 223J 1/4 -CP |
| R512 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R513 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R514 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R515 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R516 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R517 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R518 | 06T25277Y90 | RES,RK 243J 1/16 -CP |
| R519 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R520 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R521 | 06T25277Y43 | RES,RK 271J 1/16 -CP |
| R522 | 06T25277Y43 | RES,RK 271J 1/16 -CP |
| R523 | 06T25278Y22 | RES,RK 474J 1/16 -CP |
| R524 | 06T25277Y65 | RES,RK 222J 1/16 -CP |
| R525 | 06T75433W33 | RES,RK 221J 1/4 -CP |
| R526 | 06T25278Y22 | RES,RK 474J 1/16 -CP |
| R527 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R528 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R529 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R531 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R532 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R533 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R534 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R535 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R536 | 06T75433W37 | RES,RK 331J 1/4 -CP |
| R537 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R538 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R539 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R540 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R541 | 06T25277Y57 | RES,RK 102J 1/16 -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| R542 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R545 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R546 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R547 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R548 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R549 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R550 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R551 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R552 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R553 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R554 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R555 | 06T75434W22 | RES,RK 2R2J 1/4 -CP |
| R556 | 06T75433W33 | RES,RK 221J 1/4 -CP |
| R557 | 06T75434W22 | RES,RK 2R2J 1/4 -CP |
| R558 | 06T75433W13 | RES,RK 33RJ 1/4 -CP |
| R559 | 06T75433W13 | RES,RK 33RJ 1/4 -CP |
| R560 | 06T75433W13 | RES,RK 33RJ 1/4 -CP |
| R561 | 06T75433W13 | RES,RK 33RJ 1/4 -CP |
| R562 | 06T75433W13 | RES,RK 33RJ 1/4 -CP |
| R563 | 06T75433W13 | RES,RK 33RJ 1/4 -CP |
| R564 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R565 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R566 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R567 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R568 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R569 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R570 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R573 | 06T25277Y83 | RES,RK 123J 1/16 -CP |
| R574 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R575 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R576 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R577 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R578 | 06T25278Y16 | RES,RK 274J 1/16 -CP |
| R579 | 06T25278Y11 | RES,RK 164J 1/16 -CP |
| R581 | 06T75433W25 | RES,RK 101J 1/4 -CP |
| R583 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R584 | 06T25277Y65 | RES,RK 222J 1/16 -CP |
| R585 | 06T25277Y69 | RES,RK 332J 1/16 -CP |
| R586 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R587 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R588 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R589 | 06T75433W49 | RES,RK 102J 1/4 -CP |
| R590 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R591 | 06T75433W57 | RES,RK 222J 1/4 -CP |
| R592 | 06T75433W53 | RES,RK 152J 1/4 -CP |
| R593 | 06T75433W57 | RES,RK 222J 1/4 -CP |
| R594 | 06T75433W53 | RES,RK 152J 1/4 -CP |
| R595 | 06T25277Y09 | RES,RK 10RJ 1/16 -CP |
| R596 | 06T75433W15 | RES,RK 39RJ 1/4 -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| R597 | 06T75433W15 | RES,RK 39RJ 1/4 -CP |
| R598 | 06T75433W15 | RES,RK 39RJ 1/4 -CP |
| R599 | 06T75433W15 | RES,RK 39RJ 1/4 -CP |
| R600 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R601 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R602 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R603 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R607 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R608 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R610 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R611 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R801 | 06T25277Y82 | RES,RK 113J 1/16 -CP |
| R802 | 06S15593Y76 | RES,RK 133F 1/10 -CP |
| R803 | 06S15593Y57 | RES,RK 222F 1/10 -CP |
| R805 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R806 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R807 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R813 | 06T75434W26 | RES,RK JUMPER 1/4-CP |
| R814 | 06T25278Y24 | RES,RK 564J 1/16 -CP |
| R815 | 06T75433W40 | RES,RK 431J 1/4 -CP |
| R816 | 06T25278Y18 | RES,RK 334J 1/16 -CP |
| R817 | 06T75433W33 | RES,RK 221J 1/4 -CP |
| R818 | 06T75433W55 | RES,RK 182J 1/4 -CP |
| R819 | 06T75433W55 | RES,RK 182J 1/4 -CP |
| R821 | 06T75433W55 | RES,RK 182J 1/4 -CP |
| R822 | 06T75433W63 | RES,RK 392J 1/4 -CP |
| R823 | 06T75433W82 | RES,RK 243J 1/4 -CP |
| R849 | 06T75433W82 | RES,RK 243J 1/4 -CP |
| R850 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R851 | 06T75433W57 | RES,RK 222J 1/4 -CP |
| R852 | 06T75433W65 | RES,RK 472J 1/4 -CP |
| R853 | 06T75433W65 | RES,RK 472J 1/4 -CP |
| R854 | 06T75433W35 | RES,RK 271J 1/4 -CP |
| R855 | 06T75433W35 | RES,RK 271J 1/4 -CP |
| R856 | 06T25277Y82 | RES,RK 113J 1/16 -CP |
| R857 | 06T25277Y85 | RES,RK 153J 1/16 -CP |
| R858 | 06T25277Y41 | RES,RK 221J 1/16 -CP |
| R862 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R863 | 06T25277Y41 | RES,RK 221J 1/16 -CP |
| R864 | 06T25277Y41 | RES,RK 221J 1/16 -CP |
| R865 | 06T25277Y41 | RES,RK 221J 1/16 -CP |
| R866 | 06T25277Y41 | RES,RK 221J 1/16 -CP |
| R867 | 06T75433W73 | RES,RK 103J 1/4 -CP |
| R869 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R870 | 06T25277Y99 | RES,RK 563J 1/16 -CP |
| R871 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R872 | 06T75433W99 | RES,RK 124J 1/4 -CP |
| R873 | 06T75434W10 | RES,RK 334J 1/4 -CP |
| R874 | 06T75434W25 | RES,RK 8R2J 1/4 -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| R875 | 06T75434W25 | RES,RK 8R2J 1/4 -CP |
| R876 | 06T75434W25 | RES,RK 8R2J 1/4 -CP |
| R877 | 06T75434W25 | RES,RK 8R2J 1/4 -CP |
| R878 | 06T25277Y90 | RES,RK 243J 1/16 -CP |
| R879 | 06T75433W55 | RES,RK 182J 1/4 -CP |
| R880 | 06T75433W55 | RES,RK 182J 1/4 -CP |
| R884 | 06T75433W73 | RES,RK 103J 1/4 -CP |
| R885 | 06T75434W26 | RES,RK JUMPER 1/4-CP |
| R886 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R888 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| RA501 | 06S45591W06 | RES,ARY MNR102J 4-CP |
| RA503 | 06S45591W06 | RES,ARY MNR102J 4-CP |
| RA504 | 06S45591W06 | RES,ARY MNR102J 4-CP |
| RA505 | 06S45591W06 | RES,ARY MNR102J 4-CP |
| RA506 | 06S45591W06 | RES,ARY MNR102J 4-CP |
| RA507 | 06S45591W06 | RES,ARY MNR102J 4-CP |
| RA508 | 06S45591W06 | RES,ARY MNR102J 4-CP |
| RA510 | 06S45591W06 | RES,ARY MNR102J 4-CP |
| RA511 | 06S45591W06 | RES,ARY MNR102J 4-CP |
| RA512 | 06S45591W06 | RES,ARY MNR102J 4-CP |

### Connectors

| | | |
|---|---|---|
| CB401 | 09T45254Y22 | BTB,IMSA9855B-22Y-EK |
| CB402 | 09T45254Y22 | BTB,IMSA9855B-22Y-EK |
| CB501 | 09T45434W15 | FFC,52271-1590 -ED |
| CB503 | 09T95487W02 | WTB,53047-0210 -DB |

### Digital P.W.Board

#### IC's

| | | |
|---|---|---|
| IC2001 | 51T35562Y02 | CXD27290-2 -QT |
| IC2002 | 51T25576W08 | NJM4580ED-TE2 -SE2 |
| IC2003 | 51T25576W08 | NJM4580ED-TE2 -SE2 |
| IC2004 | 51T25576W08 | NJM4580ED-TE2 -SE2 |
| IC2005 | 51T93340F01 | IC,NJM2060M-TE2-SE06 |
| IC2011 | 51T25576W08 | NJM4580ED-TE2 -SE2 |
| IC4001 | 51T35427Y36 | MTP,M30800FCGP |
| IC4004 | 51T45366Y01 | STA013 -SEA |
| IC4005 | 51T25138Y01 | TC551001CFI-85L -SEE |
| IC4006 | 51T25069Y01 | TC7WH34FU-TE12L -SE1 |
| IC4022 | 51T25045Y01 | AN77033SP-TX -NE5 |
| IC4023 | 51T25045Y01 | AN77033SP-TX -NE5 |
| IC8001 | 51T25259Y01 | BA00AST -IS |
| IC8002 | 51T25259Y01 | BA00AST -IS |
| IC8003 | 51T25045Y01 | AN77033SP-TX -NE5 |

| Symbol No. | Part No. | Description |
|---|---|---|
| Transistors/FET's | | |
| Q4001 | 48T64222F02 | TR ,UN2212 22-22 -TX |
| Q4002 | 48T64222F12 | TR,UN221L-TX -CP |
| Q4006 | 48T45594W12 | TR ,XN1A312 -TX-CP |
| Q4008 | 48T45408Y01 | FET,2SK1826-TE85L-CP |
| Q4009 | 48T45408Y01 | FET,2SK1826-TE85L-CP |
| Q8001 | 48T92368F04 | TR,2SD1760 R -E5 |
| Q8002 | 48T45594W16 | TR,XN1A311-TX -CP |
| Q8502 | 48T92368F04 | TR,2SD1760 R -E5 |
| Q8504 | 48T45594W16 | TR,XN1A311-TX -CP |
| Diodes | | |
| D4001 | 48T75404W01 | DIO,1SS353-TE17 -CP |
| ZD8001 | 48T25766W22 | DIO,ZEN.HZS 9B2L -R5 |
| ZD8504 | 48T25766W22 | DIO,ZEN.HZS 9B2L -R5 |
| Filters | | |
| L2001 | 91T65112W06 | EMI,BK2125HM102 -CP |
| L2002 | 91T65112W06 | EMI,BK2125HM102 -CP |
| L8004 | 91T65112W06 | EMI,BK2125HM102 -CP |
| Z2001 | 91T75463W06 | EMI,NFM41R11C102T-E1 |
| Z2002 | 91T75463W06 | EMI,NFM41R11C102T-E1 |
| Crystals | | |
| XL2001 | 91T35227Y02 | XTL,CS10 22.5792M-E2 |
| XL4001 | 91T95084W04 | XTL,CS20 20.000M -E9 |
| XL4002 | 91T35227Y04 | XTL,CS10 14.3181M-E2 |
| Coil | | |
| L8001 | 24T75195W38 | IND,LFC32 10RJ -CP |
| Switch | | |
| SW4001 | 40T45557Y01 | SW,SLIDE SSAC120100<br>(3WAY/(F/R/Sub-W) |
| Thermistor | | |
| TH4001 | 48T15104Y06 | TMT,TH20-3S104GT -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| Capacitors | | |
| C2001 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2002 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2003 | 08S35350Y05 | CAP,CER 105K-B1A -CP |
| C2004 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2005 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C2006 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2007 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2008 | 08S45676W93 | CAP,CER 224K-B1A -CP |
| C2010 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2011 | 08S45676W93 | CAP,CER 224K-B1A -CP |
| C2012 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2013 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C2014 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2015 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2016 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2017 | 08S45676W93 | CAP,CER 224K-B1A -CP |
| C2018 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2019 | 08S45677W20 | CAP,CER.22RJ-CH1H-CP |
| C2020 | 08S45677W20 | CAP,CER.22RJ-CH1H-CP |
| C2021 | 08S45676W93 | CAP,CER 224K-B1A -CP |
| C2022 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2023 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2024 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2026 | 08S45676W65 | CAP,CER.222K-B1H -CP |
| C2028 | 08S45676W65 | CAP,CER.222K-B1H -CP |
| C2029 | 08S45676W63 | CAP,CER 152K-B1H -CP |
| C2030 | 08S45676W63 | CAP,CER 152K-B1H -CP |
| C2031 | 08S45676W66 | CAP,CER.272K-B1H -CP |
| C2032 | 08S45676W66 | CAP,CER.272K-B1H -CP |
| C2033 | 08S45677W23 | CAP,CER.30RJ-CH1H-CP |
| C2034 | 08S45676W64 | CAP,CER.182K-B1H -CP |
| C2035 | 08S45677W23 | CAP,CER.30RJ-CH1H-CP |
| C2036 | 08S45676W64 | CAP,CER.182K-B1H -CP |
| C2037 | 08S45676W64 | CAP,CER.182K-B1H -CP |
| C2038 | 08S45677W23 | CAP,CER.30RJ-CH1H-CP |
| C2039 | 08S45676W63 | CAP,CER 152K-B1H -CP |
| C2040 | 08S45676W66 | CAP,CER.272K-B1H -CP |
| C2041 | 08S45676W66 | CAP,CER.272K-B1H -CP |
| C2042 | 08S45676W63 | CAP,CER 152K-B1H -CP |
| C2043 | 08S45677W23 | CAP,CER.30RJ-CH1H-CP |
| C2044 | 08S45676W64 | CAP,CER.182K-B1H -CP |
| C2045 | 08S45676W63 | CAP,CER 152K-B1H -CP |
| C2046 | 08S45676W63 | CAP,CER 152K-B1H -CP |
| C2047 | 08S45676W66 | CAP,CER.272K-B1H -CP |
| C2048 | 08S45676W66 | CAP,CER.272K-B1H -CP |
| C2049 | 08S45676W64 | CAP,CER.182K-B1H -CP |
| C2050 | 08S45677W23 | CAP,CER.30RJ-CH1H-CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| C2051 | 08S45677W23 | CAP,CER.30RJ-CH1H-CP |
| C2052 | 08S45676W64 | CAP,CER.182K-B1H -CP |
| C2053 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2054 | 08S45677W36 | CAP,CER.101J-CH1H-CP |
| C2056 | 08S45676W93 | CAP,CER 224K-B1A -CP |
| C2057 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2058 | 08S45676W93 | CAP,CER 224K-B1A -CP |
| C2059 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C2501 | 08S35350Y05 | CAP,CER 105K-B1A -CP |
| C2502 | 08S45677W34 | CAP,CER.82RJ-CH1H-CP |
| C2503 | 08S35350Y05 | CAP,CER 105K-B1A -CP |
| C2504 | 08S45677W34 | CAP,CER.82RJ-CH1H-CP |
| C2505 | 08S35350Y05 | CAP,CER 105K-B1A -CP |
| C2506 | 08S45677W34 | CAP,CER.82RJ-CH1H-CP |
| C2507 | 08S35350Y05 | CAP,CER 105K-B1A -CP |
| C2508 | 08S45677W34 | CAP,CER.82RJ-CH1H-CP |
| C2509 | 08S45676W93 | CAP,CER 224K-B1A -CP |
| C2510 | 08S45676W93 | CAP,CER 224K-B1A -CP |
| C2511 | 08S45676W93 | CAP,CER 224K-B1A -CP |
| C2512 | 08S45676W93 | CAP,CER 224K-B1A -CP |
| C4001 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C4002 | 08S45677W16 | CAP,CER.15RJ-CH1H-CP |
| C4003 | 08S45677W14 | CAP,CER.12RJ-CH1H-CP |
| C4004 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C4005 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C4006 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C4007 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C4008 | 08S45676W93 | CAP,CER 224K-B1A -CP |
| C4009 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C4010 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C4011 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C4012 | 08S45677W18 | CAP,CER.18RJ-CH1H-CP |
| C4013 | 08S45677W18 | CAP,CER.18RJ-CH1H-CP |
| C4014 | 08S45676W69 | CAP,CER.472K-B1H -CP |
| C4015 | 08S45677W52 | CAP,CER 471J-CH1H-CP |
| C4016 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C4017 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C4023 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C4025 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C8001 | 08S45676W93 | CAP,CER 224K-B1A -CP |
| C8003 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C8006 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C8009 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C8010 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C8011 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C8013 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C8014 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C8016 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C8508 | 08S45677W60 | CAP,CER 102J-CH1H-CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| E2001 | 23S45639Y08 | CAP,ELY 22R-1C -R2 |
| E2002 | 23S45639Y06 | CAP,ELY 221-1A -R2 |
| E2003 | 23S45639Y24 | CAP,ELY 3R3-1H -R2 |
| E2004 | 23S45639Y24 | CAP,ELY 3R3-1H -R2 |
| E2005 | 23S45639Y06 | CAP,ELY 221-1A -R2 |
| E2006 | 23S45639Y08 | CAP,ELY 22R-1C -R2 |
| E2007 | 23S45639Y13 | CAP,ELY 4R7-1V -R2 |
| E2008 | 23S45639Y24 | CAP,ELY 3R3-1H -R2 |
| E2009 | 23S45639Y24 | CAP,ELY 3R3-1H -R2 |
| E2010 | 23S45639Y13 | CAP,ELY 4R7-1V -R2 |
| E2011 | 23S45639Y08 | CAP,ELY 22R-1C -R2 |
| E2012 | 23S65134W32 | CAP,ELY 22R-1C(5)-E3 |
| E2013 | 23S65134W32 | CAP,ELY 22R-1C(5)-E3 |
| E2014 | 23S65134W32 | CAP,ELY 22R-1C(5)-E3 |
| E2015 | 23S65134W65 | CAP,ELY 1R0-1H(3)-E2 |
| E2016 | 23S65134W65 | CAP,ELY 1R0-1H(3)-E2 |
| E2017 | 23S65134W65 | CAP,ELY 1R0-1H(3)-E2 |
| E2018 | 23S65134W65 | CAP,ELY 1R0-1H(3)-E2 |
| E2019 | 23S65134W65 | CAP,ELY 1R0-1H(3)-E2 |
| E2020 | 23S65134W65 | CAP,ELY 1R0-1H(3)-E2 |
| E2021 | 23S45639Y24 | CAP,ELY 3R3-1H -R2 |
| E2022 | 23S45639Y24 | CAP,ELY 3R3-1H -R2 |
| E2031 | 23S65134W32 | CAP,ELY 22R-1C(5)-E3 |
| E2032 | 23S65134W32 | CAP,ELY 22R-1C(5)-E3 |
| E2033 | 23S65134W32 | CAP,ELY 22R-1C(5)-E3 |
| E2034 | 23S65134W53 | CAP,ELY 4R7-1V(4)-E2 |
| E2035 | 23S65134W53 | CAP,ELY 4R7-1V(4)-E2 |
| E2501 | 23S65134W32 | CAP,ELY 22R-1C(5)-E3 |
| E4001 | 23S65134W23 | CAP,ELY 101-1A(6)-E6 |
| E4002 | 23S45639Y07 | CAP,ELY 10R-1C -R2 |
| E4003 | 23S55311W36 | CAP,TAN 47R-1C-D -E2 |
| E4023 | 23S55311W27 | CAP,TAN 47R-1A-C -E2 |
| E4025 | 23S55311W27 | CAP,TAN 47R-1A-C -E2 |
| E8001 | 23S45639Y06 | CAP,ELY 221-1A -R2 |
| E8002 | 23T25615Y24 | CAP,ZT 47R-1C -E6 |
| E8003 | 23S45639Y06 | CAP,ELY 221-1A -R2 |
| E8004 | 23T25615Y24 | CAP,ZT 47R-1C -E6 |
| E8006 | 23S45639Y05 | CAP,ELY 101-1A -R2 |
| E8007 | 23S45639Y05 | CAP,ELY 101-1A -R2 |
| E8008 | 23S45639Y05 | CAP,ELY 101-1A -R2 |
| E8011 | 23S45639Y11 | CAP,ELY 33R-1E -R2 |
| E8012 | 23S45639Y05 | CAP,ELY 101-1A -R2 |
| E8013 | 23S45639Y07 | CAP,ELY 10R-1C -R2 |
| E8014 | 23S55311W27 | CAP,TAN 47R-1A-C -E2 |
| E8503 | 23S45639Y22 | CAP,ELY 1R0-1H -R2 |

| Symbol No. | Part No. | Description |
|---|---|---|
| Resistors | | |
| L2003 | 06T75434W26 | RES,RK JUMPER 1/4-CP |
| C8015 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R2002 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R2005 | 06T25279Y02 | RES,RK 155J 1/16 -CP |
| R2008 | 06T25279Y02 | RES,RK 155J 1/16 -CP |
| R2010 | 06T25277Y50 | RES,RK 511J 1/16 -CP |
| R2011 | 06T25277Y65 | RES,RK 222J 1/16 -CP |
| R2014 | 06T25277Y65 | RES,RK 222J 1/16 -CP |
| R2015 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R2016 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R2017 | 06T25277Y59 | RES,RK 122J 1/16 -CP |
| R2018 | 06T25277Y59 | RES,RK 122J 1/16 -CP |
| R2019 | 06T25277Y61 | RES,RK 152J 1/16 -CP |
| R2020 | 06T25277Y61 | RES,RK 152J 1/16 -CP |
| R2021 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R2022 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R2023 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R2024 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R2025 | 06T25277Y73 | RES,RK 472J 1/16 -CP |
| R2026 | 06T25277Y73 | RES,RK 472J 1/16 -CP |
| R2027 | 06T25277Y73 | RES,RK 472J 1/16 -CP |
| R2028 | 06T25277Y59 | RES,RK 122J 1/16 -CP |
| R2029 | 06T25277Y61 | RES,RK 152J 1/16 -CP |
| R2030 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R2031 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R2032 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R2033 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R2034 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R2035 | 06T25277Y59 | RES,RK 122J 1/16 -CP |
| R2036 | 06T25277Y61 | RES,RK 152J 1/16 -CP |
| R2037 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R2038 | 06T25277Y73 | RES,RK 472J 1/16 -CP |
| R2039 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R2040 | 06T25277Y59 | RES,RK 122J 1/16 -CP |
| R2041 | 06T25278Y06 | RES,RK 104J 1/16 -CP |
| R2042 | 06T25277Y61 | RES,RK 152J 1/16 -CP |
| R2043 | 06T25277Y59 | RES,RK 122J 1/16 -CP |
| R2044 | 06T25277Y61 | RES,RK 152J 1/16 -CP |
| R2045 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R2046 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R2047 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R2048 | 06T25277Y67 | RES,RK 272J 1/16 -CP |
| R2049 | 06T25277Y73 | RES,RK 472J 1/16 -CP |
| R2050 | 06T25277Y73 | RES,RK 472J 1/16 -CP |
| R2051 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R2052 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R2053 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R2054 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R2056 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R2061 | 06T25277Y50 | RES,RK 511J 1/16 -CP |
| R2062 | 06T25277Y52 | RES,RK 621J 1/16 -CP |
| R2063 | 06T25277Y52 | RES,RK 621J 1/16 -CP |
| R2065 | 06T25277Y50 | RES,RK 511J 1/16 -CP |
| R2501 | 06T25277Y96 | RES,RK 433J 1/16 -CP |
| R2502 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R2503 | 06T25277Y80 | RES RK 912J 1/16 -CP |
| R2504 | 06T25277Y96 | RES,RK 433J 1/16 -CP |
| R2505 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R2506 | 06T25277Y80 | RES RK 912J 1/16 -CP |
| R2507 | 06T25277Y96 | RES,RK 433J 1/16 -CP |
| R2508 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R2509 | 06T25277Y80 | RES RK 912J 1/16 -CP |
| R2510 | 06T25277Y96 | RES,RK 433J 1/16 -CP |
| R2511 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R2512 | 06T25277Y80 | RES RK 912J 1/16 -CP |
| R2513 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R2514 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R2515 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R2516 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R2517 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R2518 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R4001 | 06T25277Y33 | RES,RK 101J 1/16 -CP |
| R4002 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R4003 | 06T25277Y89 | RES,RK 223J 1/16 -CP |
| R4004 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R4006 | 06T25277Y73 | RES,RK 472J 1/16 -CP |
| R4007 | 06T25277Y73 | RES,RK 472J 1/16 -CP |
| R4008 | 06T25277Y53 | RES,RK 681J 1/16 -CP |
| R4009 | 06T25277Y53 | RES,RK 681J 1/16 -CP |
| R4010 | 06T25277Y53 | RES,RK 681J 1/16 -CP |
| R4011 | 06T25277Y73 | RES,RK 472J 1/16 -CP |
| R4012 | 06T25277Y73 | RES,RK 472J 1/16 -CP |
| R4016 | 06T25277Y81 | RES,RK 103J 1/16 -CP |
| R4017 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R4018 | 06T25277Y45 | RES,RK 331J 1/16 -CP |
| R4020 | 06T25279Y01 | RES,RK 105J 1/16 -CP |
| R4021 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R4022 | 06T25277Y05 | RES,RK 4R7J 1/16 -CP |
| R4032 | 06T25278Y21 | RES,RK 434J 1/16 -CP |
| R4033 | 06T25278Y07 | RES,RK 114J 1/16 -CP |
| R4044 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R4067 | 06T25277Y33 | RES,RK 101J 1/16 -CP |
| R4068 | 06T25277Y33 | RES,RK 101J 1/16 -CP |
| R4069 | 06T25277Y33 | RES,RK 101J 1/16 -CP |
| R4070 | 06T25277Y33 | RES,RK 101J 1/16 -CP |
| R4071 | 06T25277Y33 | RES,RK 101J 1/16 -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| R4072 | 06T25277Y33 | RES,RK 101J 1/16 -CP |
| R4073 | 06T25277Y33 | RES,RK 101J 1/16 -CP |
| R4074 | 06T25277Y33 | RES,RK 101J 1/16 -CP |
| R4075 | 06T25277Y27 | RES,RK 56RJ 1/16 -CP |
| R4076 | 06T25277Y27 | RES,RK 56RJ 1/16 -CP |
| R4077 | 06T25277Y27 | RES,RK 56RJ 1/16 -CP |
| R4078 | 06T25277Y27 | RES,RK 56RJ 1/16 -CP |
| R4100 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R4101 | 06T25277Y97 | RES,RK 473J 1/16 -CP |
| R8001 | 06S15593Y69 | RES,RK 682F 1/10 -CP |
| R8002 | 06S15593Y57 | RES,RK 222F 1/10 -CP |
| R8004 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R8008 | 06T25278Y20 | RES,RK 394J 1/16 -CP |
| R8009 | 06T25278Y02 | RES,RK 683J 1/16 -CP |
| R8011 | 06S15593Y73 | RES,RK 103F 1/10 -CP |
| R8012 | 06S15593Y57 | RES,RK 222F 1/10 -CP |
| R8014 | 06T25279Y04 | RES,RK JUMPER1/16-CP |
| R8021 | 06T75433W36 | RES,RK 301J 1/4 -CP |
| R8022 | 06T25278Y25 | RES,RK 624J 1/16 -CP |
| R8023 | 06T25278Y27 | RES,RK 754J 1/16 -CP |
| R8505 | 06T75433W37 | RES,RK 331J 1/4 -CP |
| RA2001 | 06S45591W06 | RES,ARY MNR102J 4-CP |
| RA4002 | 06S45591W07 | RES,ARY MNR101J 4-CP |
| RA4004 | 06S45591W07 | RES,ARY MNR101J 4-CP |
| RA4005 | 06S45591W07 | RES,ARY MNR101J 4-CP |
| RA4006 | 06S45591W07 | RES,ARY MNR101J 4-CP |
| RA4007 | 06S45591W07 | RES,ARY MNR101J 4-CP |
| RA4008 | 06S45591W07 | RES,ARY MNR101J 4-CP |
| RA4009 | 06S45591W07 | RES,ARY MNR101J 4-CP |
| RA4012 | 06S45591W07 | RES,ARY MNR101J 4-CP |
| RA4013 | 06S45591W07 | RES,ARY MNR101J 4-CP |
| RA4015 | 06S45591W17 | RES,ARY MNR56RJ 4-CP |
| RA4022 | 06S45591W07 | RES,ARY MNR101J 4-CP |

### Connectors

| Symbol No. | Part No. | Description |
|---|---|---|
| CB4001 | 09T45593Y50 | FFC,54132-5092 -EQ |
| CB8001 | 09T81032F02 | WTB,53014-0210 -DS |
| CH2001 | 09T35236Y22 | BTB,IMSA9851S-22Y-EQ |
| CH2002 | 09T35236Y22 | BTB,IMSA9851S-22Y-EQ |

## Front P.W.Board

### IC's

| Symbol No. | Part No. | Description |
|---|---|---|
| IC401 | 51T45320Y01 | LC75873NW -QT |
| IC402 | 51T35303Y01 | LC75817W -QT |
| IC403 | 51T35614Y01 | SBX3050-02 -NE5 |

### Transistors

| Symbol No. | Part No. | Description |
|---|---|---|
| Q402 | 48T63788F04 | TR ,CP.2SD1328-T -TX |
| Q403 | 48T63788F04 | TR ,CP.2SD1328-T -TX |
| Q404 | 48T64222F01 | TR ,UN2211 10-10 -TX |
| Q405 | 48T63788F04 | TR ,CP.2SD1328-T -TX |
| Q406 | 48T73023F01 | TR ,2SD874A -E2 |

### Diodes

| Symbol No. | Part No. | Description |
|---|---|---|
| D401 | 48T81063F01 | DIO,CP.MA159 / TX-CP |
| D402 | 48T94471F04 | DIO,IMN10-T108 -CP |
| D405 | 48T85357W01 | DIO,1PS226 -CP |
| D406 | 48T85357W01 | DIO,1PS226 -CP |
| D407 | 48T85357W01 | DIO,1PS226 -CP |
| D408 | 48T85357W01 | DIO,1PS226 -CP |
| D409 | 48T85357W01 | DIO,1PS226 -CP |
| D411 | 48T85357W01 | DIO,1PS226 -CP |
| ZD403 | 48T15541Y23 | DIO,ZEN MAZS180 -CP |
| ZD404 | 48T15541Y23 | DIO,ZEN MAZS180 -CP |
| ZD405 | 48T15541Y23 | DIO,ZEN MAZS180 -CP |
| ZD406 | 48T15541Y23 | DIO,ZEN MAZS180 -CP |
| ZD407 | 48T62934F39 | DIO,ZEN.RD10MB1 -CP |
| ZD408 | 48T62934F19 | DIO,ZEN.RD5.1MB2 -CP |
| ZD409 | 48T62934F26 | DIO,ZEN.RD6.2MB3 -CP |
| ZD410 | 48T62934F26 | DIO,ZEN.RD6.2MB3 -CP |
| ZD413 | 48T84735F21 | DIO,ZEN.MA3082-H -CP |

### LED's

| Symbol No. | Part No. | Description |
|---|---|---|
| LD401 | 48T45280Y01 | LED,WHT NSCWS405T-E2 |
| LD402 | 48T45280Y01 | LED,WHT NSCWS405T-E2 |
| LD403 | 48T45280Y01 | LED,WHT NSCWS405T-E2 |
| LD404 | 48T45280Y01 | LED,WHT NSCWS405T-E2 |
| LD405 | 48T45280Y01 | LED,WHT NSCWS405T-E2 |
| LD406 | 48T45280Y01 | LED,WHT NSCWS405T-E2 |
| LD407 | 48T25534Y02 | LED,RED BR1111C -CP |
| LD408 | 48T25534Y01 | LED,GRN BG1111C -CP |
| LD409 | 48T25534Y01 | LED,GRN BG1111C -CP |
| LD410 | 48T25534Y01 | LED,GRN BG1111C -CP |
| LD411 | 48T25534Y01 | LED,GRN BG1111C -CP |
| LD412 | 48T25534Y10 | LED,YEL FY1111C -CP |
| LD413 | 48T25534Y10 | LED,YEL FY1111C -CP |
| LD414 | 48T25534Y10 | LED,YEL FY1111C -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| LD415 | 48T25534Y01 | LED,GRN BG1111C -CP |
| LD416 | 48T25534Y01 | LED,GRN BG1111C -CP |
| LD417 | 48T25534Y01 | LED,GRN BG1111C -CP |
| LD418 | 48T25534Y01 | LED,GRN BG1111C -CP |
| LD419 | 48T25534Y01 | LED,GRN BG1111C -CP |
| LD420 | 48T25534Y01 | LED,GRN BG1111C -CP |

Switches

| Symbol No. | Part No. | Description |
|---|---|---|
| SW401 | 40T55656W06 | SW,TACT SKQMAJ001-E2(T.INFO) |
| SW402 | 40T55656W06 | SW,TACT SKQMAJ001-E2(FWD/UP) |
| SW403 | 40T55656W06 | SW,TACT SKQMAJ001-E2 (PLAY/PAUSE/TUNE/A.ME) |
| SW404 | 40T55656W06 | SW,TACT SKQMAJ001-E2(BWD/DN) |
| SW406 | 40T55656W06 | SW,TACT SKQMAJ001-E2(SOURCE/POWER) |
| SW407 | 40T55656W06 | SW,TACT SKQMAJ001-E2(BAND/T.S.M.) |
| SW408 | 40T55656W06 | SW,TACT SKQMAJ001-E2(DISP/B.OUT) |
| SW409 | 40T25004Y01 | SW,TACT SKQYPB -E2(TITLE) |
| SW410 | 40T25004Y01 | SW,TACT SKQYPB -E2(F/SET UP) |
| SW411 | 40T25004Y01 | SW,TACT SKQYPB -E2 (1/AF/FOLDER-DN) |
| SW412 | 40T25004Y01 | SW,TACT SKQYPB -E2 (2/P.PTY/FOLDER-UP) |
| SW413 | 40T25004Y01 | SW,TACT SKQYPB -E2 (3/PTY/FILE SEARCH) |
| SW414 | 40T25004Y01 | SW,TACT SKQYPB -E2 (4/R.TEXT/M.I.X.) |
| SW415 | 40T25004Y01 | SW,TACT SKQYPB -E2(5/REPEAT) |
| SW416 | 40T25004Y01 | SW,TACT SKQYPB -E2(6/SCAN) |
| SW417 | 40T25004Y01 | SW,TACT SKQYPB -E2(ANGLE△▽) |
| SW418 | 40T25004Y01 | SW,TACT SKQYPB -E2(EJECT) |
| SW419 | 40T55656W06 | SW,TACT SKQMAJ001-E2(DHE/DEFEAT) |
| SW420 | 40T55656W06 | SW,TACT SKQMAJ001-E2(DSP/CSD) |
| SW421 | 40T55656W06 | SW,TACT SKQMAJ001-E2(DIVIDER) |
| SW422 | 40T55656W06 | SW,TACT SKQMAJ001-E2(RESET) |

Lamps

| Symbol No. | Part No. | Description |
|---|---|---|
| PL401 | 65T35324Y02 | LAMP,GRN 6-80 -E5 |
| PL402 | 65T35324Y02 | LAMP,GRN 6-80 -E5 |
| PL403 | 65T35324Y02 | LAMP,GRN 6-80 -E5 |
| PL404 | 65T35324Y02 | LAMP,GRN 6-80 -E5 |

Capacitors

| Symbol No. | Part No. | Description |
|---|---|---|
| C401 | 08S65128F90 | CAP,CER 473K-B1H -CP |
| C402 | 08S45677W42 | CAP,CER.181J-CH1H-CP |
| C403 | 08S45677W42 | CAP,CER.181J-CH1H-CP |
| C404 | 08S45677W42 | CAP,CER.181J-CH1H-CP |
| C405 | 08S45677W42 | CAP,CER.181J-CH1H-CP |
| C406 | 08S45677W42 | CAP,CER.181J-CH1H-CP |
| C407 | 08S45677W42 | CAP,CER.181J-CH1H-CP |
| C408 | 08S65128F90 | CAP,CER 473K-B1H -CP |
| C409 | 08S65128F90 | CAP,CER 473K-B1H -CP |
| C410 | 08S65128F90 | CAP,CER 473K-B1H -CP |
| C411 | 08S65128F90 | CAP,CER 473K-B1H -CP |
| C412 | 08S45677W44 | CAP,CER.221J-CH1H-CP |
| C413 | 08S53332F62 | CAP,CP .473-K-B -CP |
| C414 | 08S65128F90 | CAP,CER 473K-B1H -CP |
| C415 | 08S65128F90 | CAP,CER 473K-B1H -CP |
| C416 | 08S45677W44 | CAP,CER.221J-CH1H-CP |
| C417 | 08S35350Y05 | CAP,CER 105K-B1A -CP |
| C418 | 08S65128F78 | CAP,CER.223K-B1H -CP |
| E401 | 23S55311W42 | CAP,TAN.4R7-1D-B -CP |

Resistors

| Symbol No. | Part No. | Description |
|---|---|---|
| R400 | 06T75433W82 | RES,RK 243J 1/4 -CP |
| R401 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R402 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R403 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R404 | 06T75431W83 | RES,RK 103J 1/10 -CP |
| R405 | 06T75431W47 | RES,RK 331J 1/10 -CP |
| R406 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R407 | 06T75431W59 | RES,RK 102J 1/10 -CP |
| R408 | 06T75434W26 | RES,RK JUMPER 1/4-CP |
| R409 | 06T75433W26 | RES,RK 111J 1/4 -CP |
| R411 | 06T75433W26 | RES,RK 111J 1/4 -CP |
| R412 | 06T75433W26 | RES,RK 111J 1/4 -CP |
| R413 | 06T75433W49 | RES,RK 102J 1/4 -CP |
| R414 | 06T75433W08 | RES,RK 20RJ 1/4 -CP |
| R415 | 06T75433W33 | RES,RK 221J 1/4 -CP |
| R416 | 06T75433W32 | RES,RK 201J 1/4 -CP |
| R417 | 06T75434W26 | RES,RK JUMPER 1/4-CP |
| R418 | 06T75433W33 | RES,RK 221J 1/4 -CP |
| R419 | 06T75433W08 | RES,RK 20RJ 1/4 -CP |
| R422 | 06T75431W67 | RES,RK 222J 1/10 -CP |
| R424 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R425 | 06T75434W26 | RES,RK JUMPER 1/4-CP |
| R426 | 06T75433W33 | RES,RK 221J 1/4 -CP |
| R433 | 06T25277Y57 | RES,RK 102J 1/16 -CP |
| R436 | 06T75431W91 | RES,RK 223J 1/10 -CP |
| R437 | 06T75431W91 | RES,RK 223J 1/10 -CP |
| R440 | 06T25277Y90 | RES,RK 243J 1/16 -CP |
| R444 | 06T25278Y12 | RES,RK 184J 1/16 -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| R445 | 06T75431W75 | RES, RK 472J 1/10 -CP |
| R446 | 06T75431W35 | RES, RK 101J 1/10 -CP |
| R449 | 06T75434W26 | RES, RK JUMPER 1/4-CP |
| R450 | 06T75431W41 | RES, RK 181J 1/10 -CP |
| R451 | 06T75431W67 | RES, RK 222J 1/10 -CP |
| R452 | 06T75431W59 | RES, RK 102J 1/10 -CP |
| R453 | 06T75431W47 | RES, RK 331J 1/10 -CP |
| R457 | 06T75433W82 | RES, RK 243J 1/4 -CP |
| R458 | 06T75432W50 | RES, RK JUMPER1/10-CP |
| R459 | 06T75431W39 | RES, RK 151J 1/10 -CP |
| R460 | 06T75431W54 | RES, RK 621J 1/10 -CP |
| R461 | 06T75431W83 | RES, RK 103J 1/10 -CP |
| R462 | 06T25278Y06 | RES, RK 104J 1/16 -CP |
| R463 | 06T75433W60 | RES, RK 302J 1/4 -CP |
| R471 | 06T75433W41 | RES, RK 471J 1/4 -CP |
| RA401 | 06S45591W06 | RES, ARY MNR102J 4-CP |
| RA402 | 06S45591W06 | RES, ARY MNR102J 4-CP |
| RA403 | 06S45591W06 | RES, ARY MNR102J 4-CP |
| RA404 | 06S45591W06 | RES, ARY MNR102J 4-CP |
| DC/DC Converter P.W.Board | | |
| IC's | | |
| IC901 | 51T45446Y01 | NJM78L09A-T3 -RD |
| IC902 | 51T45447Y01 | NJM79L09A-T3 -RD |
| Transistors | | |
| Q901 | 48T69176F02 | TR , 2SC3421-Y |
| Q902 | 48T55057W01 | TR, 2SD1857-PQ-TV2-RD |
| Q903 | 48T55057W01 | TR, 2SD1857-PQ-TV2-RD |
| Diodes | | |
| D901 | 48T73079F04 | DIO, 1SS82 -R5 |
| D902 | 48T73079F04 | DIO, 1SS82 -R5 |
| D903 | 48T73079F04 | DIO, 1SS82 -R5 |
| D904 | 48T73079F04 | DIO, 1SS82 -R5 |
| ZD901 | 48T25766W20 | DIO, ZEN. HZS 9A2L -R5 |
| Coil | | |
| L901 | 24T95399W21 | IND, RCH-855 471K + |

| Symbol No. | Part No. | Description |
|---|---|---|
| Transformer | | |
| T901 | 25T95401W01 | TRANS, LC-10 -DB |
| Capacitors | | |
| C902 | 08T55390W22 | CAP, TF 273J-1H -R5 |
| E901 | 23T45365W05 | CAP, SME 101-1E -R2 |
| E902 | 23T45365W11 | CAP, SME 1R0-1H -R2 |
| E903 | 23T45365W02 | CAP, SME 101-1A -R2 |
| E904 | 23T45365W05 | CAP, SME 101-1E -R2 |
| E905 | 23T45365W05 | CAP, SME 101-1E -R2 |
| E906 | 23T45365W02 | CAP, SME 101-1A -R2 |
| E907 | 23T45365W02 | CAP, SME 101-1A -R2 |
| Resistors | | |
| R918 | 06T75433W68 | RES, RK 622J 1/4 -CP |
| R921 | 06T75433W37 | RES, RK 331J 1/4 -CP |
| Connector | | |
| CB911 | 09T25436Y08 | WTB, 53253-0810 -DB |
| Main-LSI P.W.Board | | |
| IC's | | |
| IC1 | 51T35255Y01 | TC9497F -QT |
| IC2 | 51T35254Y01 | TA1313FA -QT |
| IC3 | 51T15550Y01 | MSM514260CP-60TSK-ST |
| IC4 | 51T25503Y01 | BA5985FM-E2 -SEA |
| IC5 | 51T35257Y01 | BD6609FV-E2 -SE2 |
| IC6 | 51T95360W02 | NJU7201U32-TE1 -NE2 |
| IC8 | 51T15731W10 | TC7S66F-TE85L -CP |
| IC9 | 51T25209Y03 | TC9469BF -QT |
| IC10 | 51T35427Y43 | MTP, M30800FCGP |
| IC11 | 51T96065F02 | IC , M51957BFP -SE2 |
| IC12 | 51T15550Y01 | MSM514260CP-60TSK-ST |
| IC13 | 51T95529W01 | ST24C08M6TR -SE2 |
| IC14 | 51T35664Y01 | NJM2403M-TE3 -SE2 |
| IC16 | 51T35743Y01 | TC7W66FU-TE12L -SE1 |
| IC17 | 51T45659Y01 | BA00BC0WF-E2 -SE2 |

| Symbol No. | Part No. | Description |
|---|---|---|
| **Transistors/Photo Transistors** | | |
| PT1 | 48T35389Y01 | PHT,TR PS1101W-TR-CP |
| PT2 | 48T35389Y01 | PHT,TR PS1101W-TR-CP |
| PT3 | 48T35389Y01 | PHT,TR PS1101W-TR-CP |
| Q1 | 48T62967F03 | TR,DTC124EKA-T146-CP |
| Q2 | 48T62967F03 | TR,DTC124EKA-T146-CP |
| Q3 | 48T73888F12 | TR ,CP.FMC2-99 |
| Q4 | 48T80611F01 | CP.2SB1132-QR-101-E3 |
| Q5 | 48T80611F01 | CP.2SB1132-QR-101-E3 |
| Q6 | 48T73888F08 | TR ,CP.FMG1-99 |
| Q8 | 48T45388Y03 | TR,2SA1797-Q-T100-E2 |
| **Diodes** | | |
| D3 | 48T81063F01 | DIO,CP.MA159 / TX-CP |
| D5 | 48T25651W01 | DIO,CP MA152WA |
| D6 | 48T25651W01 | DIO,CP MA152WA |
| D7 | 48T52446F01 | DIO,MA151WK SO/TX-CP |
| SD1 | 48T65122W01 | DIO,SHT SS14-6600-E1 |
| **Crystals** | | |
| CL1 | 91T35456Y02 | OSC,CER CSTCW22.5-CP |
| CL2 | 91T35456Y01 | OSC,CER CSTCW18.9-CP |
| CL3 | 91T35456Y04 | OSC,CER CSTCW45.4-CP |
| **Coil** | | |
| L3 | 24T55448W09 | COL,IND CD43 5R6M-E2 |
| **Thermistor** | | |
| TH1 | 48T15688Y01 | TMT,SC20-3U104KT -CP |
| **Capacitors** | | |
| C3 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C4 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C8 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C9 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C10 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C15 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C16 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C17 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C18 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C20 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C21 | 08S45676W69 | CAP,CER.472K-B1H -CP |
| C22 | 08S45676W69 | CAP,CER.472K-B1H -CP |
| C23 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C24 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C25 | 08S45677W60 | CAP,CER 102J-CH1H-CP |
| C26 | 08S45676W75 | CAP,CER.153K-B1H -CP |
| C27 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C28 | 08S45676W67 | CAP,CER.332K-B1H -CP |
| C29 | 08S45676W71 | CAP,CER.682K-B1H -CP |
| C30 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C32 | 08S45677W48 | CAP,CER.331J-CH1H-CP |
| C33 | 08S45677W48 | CAP,CER.331J-CH1H-CP |
| C34 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C35 | 08S45677W36 | CAP,CER.101J-CH1H-CP |
| C36 | 08S45676W65 | CAP,CER.222K-B1H -CP |
| C37 | 08S45677W60 | CAP,CER 102J-CH1H-CP |
| C38 | 08S45677W60 | CAP,CER 102J-CH1H-CP |
| C39 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C40 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C41 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C42 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C43 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C44 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C47 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C48 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C49 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C50 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C51 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C52 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C54 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C55 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C60 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C61 | 08S45676W80 | CAP,CER 223K-B1E -CP |
| C62 | 08S45677W32 | CAP,CER.68RJ-CH1H-CP |
| C63 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C64 | 08S45677W42 | CAP,CER.181J-CH1H-CP |
| C65 | 08S35350Y03 | CAP,CER 224K-B1C -CP |
| C67 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C68 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C70 | 08S45676W69 | CAP,CER.472K-B1H -CP |
| C71 | 08S45676W69 | CAP,CER.472K-B1H -CP |
| C72 | 08S35350Y05 | CAP,CER 105K-B1A -CP |
| C73 | 08S45676W65 | CAP,CER.222K-B1H -CP |
| C74 | 08S45676W65 | CAP,CER.222K-B1H -CP |
| C75 | 08S45676W65 | CAP,CER.222K-B1H -CP |
| C76 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C80 | 08S45676W63 | CAP,CER 152K-B1H -CP |
| C81 | 08S45676W63 | CAP,CER 152K-B1H -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| C82 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C83 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C84 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C85 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C86 | 08S45677W60 | CAP,CER 102J-CH1H-CP |
| C87 | 08S45677W60 | CAP,CER 102J-CH1H-CP |
| C88 | 08S45677W60 | CAP,CER 102J-CH1H-CP |
| C89 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C90 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C91 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C92 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C93 | 08S45676W73 | CAP,CER.103K-B1H -CP |
| C94 | 08S45677W48 | CAP,CER.331J-CH1H-CP |
| C95 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C96 | 08S45676W68 | CAP,CER.392K-B1H -CP |
| C97 | 08S45677W44 | CAP,CER.221J-CH1H-CP |
| C99 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C100 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C101 | 08S35350Y05 | CAP,CER 105K-B1A -CP |
| C102 | 08S35350Y05 | CAP,CER 105K-B1A -CP |
| C103 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C200 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C201 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C202 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C203 | 08S45677W10 | CAP,CER 8R0D-CH1H-CP |
| C204 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C205 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C210 | 08S45677W10 | CAP,CER 8R0D-CH1H-CP |
| C211 | 08S45677W10 | CAP,CER 8R0D-CH1H-CP |
| C212 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C213 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C214 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C215 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C216 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C217 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C219 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C222 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C223 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C224 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C225 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C230 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C231 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C232 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C233 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C234 | 08S45676W85 | CAP,CER 104K-B1C -CP |
| C311 | 08S45677W40 | CAP,CER.151J-CH1H-CP |
| E1 | 23T25191W62 | CAP,E-MF22R-0J-B6-E2 |
| E2 | 23S55311W28 | CAP,TAN 22R-1A-B -CP |
| E5 | 23S55311W36 | CAP,TAN 47R-1C-D -E2 |

| Symbol No. | Part No. | Description |
|---|---|---|
| E7 | 23S55311W35 | CAP,TAN 10R-1C-B -CP |
| E8 | 23S55311W35 | CAP,TAN 10R-1C-B -CP |
| E9 | 23S55311W26 | CAP,TAN 10R-1A-A -CP |
| E10 | 23T25191W62 | CAP,E-MF22R-0J-B6-E2 |
| E11 | 23S55311W28 | CAP,TAN 22R-1A-B -CP |
| E12 | 23S55311W28 | CAP,TAN 22R-1A-B -CP |
| E13 | 23S55311W35 | CAP,TAN 10R-1C-B -CP |
| E15 | 23S55311W35 | CAP,TAN 10R-1C-B -CP |
| E16 | 23S55311W26 | CAP,TAN 10R-1A-A -CP |
| E17 | 23S55311W26 | CAP,TAN 10R-1A-A -CP |
| E18 | 23S55311W26 | CAP,TAN 10R-1A-A -CP |
| E19 | 23S55311W26 | CAP,TAN 10R-1A-A -CP |
| E20 | 23S55311W28 | CAP,TAN 22R-1A-B -CP |
| E21 | 23S55311W26 | CAP,TAN 10R-1A-A -CP |
| E23 | 23S55311W57 | CAP,TAN 22R-1E-E -E2 |
| E25 | 23S55311W27 | CAP,TAN 47R-1A-C -E2 |
| E26 | 23S55311W57 | CAP,TAN 22R-1E-E -E2 |
| E27 | 23S55311W28 | CAP,TAN 22R-1A-B -CP |
| E28 | 23S55311W36 | CAP,TAN 47R-1C-D -E2 |
| E30 | 23S55311W35 | CAP,TAN 10R-1C-B -CP |
| E34 | 23S55311W56 | CAP,TAN 10R-1E-C -E2 |
| Resistors | | |
| R100 | 06S45674W33 | RES,RK 101J 1/10 -CP |
| R101 | 06S45674W33 | RES,RK 101J 1/10 -CP |
| R102 | 06S45674W33 | RES,RK 101J 1/10 -CP |
| R104 | 06S45674W33 | RES,RK 101J 1/10 -CP |
| R105 | 06S45675W10 | RES,RK 154J 1/10 -CP |
| R106 | 06S45675W10 | RES,RK 154J 1/10 -CP |
| R107 | 06S15594Y02 | RES,RK 154F 1/10 -CP |
| R108 | 06S15593Y85 | RES,RK 333F 1/10 -CP |
| R109 | 06S15593Y81 | RES,RK 223F 1/10 -CP |
| R110 | 06S15593Y85 | RES,RK 333F 1/10 -CP |
| R111 | 06S15593Y81 | RES,RK 223F 1/10 -CP |
| R112 | 06S45674W81 | RES,RK 103J 1/10 -CP |
| R113 | 06S45674W81 | RES,RK 103J 1/10 -CP |
| R114 | 06S45674W95 | RES,RK 393J 1/10 -CP |
| R115 | 06S45674W57 | RES,RK 102J 1/10 -CP |
| R116 | 06S45674W41 | RES,RK 221J 1/10 -CP |
| R117 | 06S45674W57 | RES,RK 102J 1/10 -CP |
| R118 | 06S45674W41 | RES,RK 221J 1/10 -CP |
| R120 | 06S45674W33 | RES,RK 101J 1/10 -CP |
| R121 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R124 | 06S45675W14 | RES,RK 224J 1/10 -CP |
| R125 | 06S45674W73 | RES,RK 472J 1/10 -CP |
| R130 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R131 | 06S45675W06 | RES,RK 104J 1/10 -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| R132 | 06S45674W75 | RES, RK 562J 1/10 -CP |
| R133 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R134 | 06S45675W43 | RES, RK JUMPER1/10-CP |
| R144 | 06S45674W95 | RES, RK 393J 1/10 -CP |
| R147 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R148 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R149 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R150 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R151 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R152 | 06S45674W41 | RES, RK 221J 1/10 -CP |
| R153 | 06S45674W95 | RES, RK 393J 1/10 -CP |
| R156 | 06S45674W41 | RES, RK 221J 1/10 -CP |
| R157 | 06S45674W89 | RES, RK 223J 1/10 -CP |
| R161 | 06S45675W22 | RES, RK 474J 1/10 -CP |
| R162 | 06S45675W24 | RES, RK 564J 1/10 -CP |
| R165 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R166 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R167 | 06S45675W22 | RES, RK 474J 1/10 -CP |
| R168 | 06S45674W73 | RES, RK 472J 1/10 -CP |
| R169 | 06S45675W30 | RES, RK 105J 1/10 -CP |
| R170 | 06S45674W43 | RES, RK 271J 1/10 -CP |
| R171 | 06S45674W43 | RES, RK 271J 1/10 -CP |
| R176 | 06S45674W49 | RES, RK 471J 1/10 -CP |
| R177 | 06S45674W53 | RES, RK 681J 1/10 -CP |
| R178 | 06S15593Y91 | RES, RK 563F 1/10 -CP |
| R179 | 06S15593Y65 | RES, RK 472F 1/10 -CP |
| R180 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R181 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R182 | 06S45674W57 | RES, RK 102J 1/10 -CP |
| R183 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R184 | 06S15593Y83 | RES, RK 273F 1/10 -CP |
| R185 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R186 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R187 | 06S45674W57 | RES, RK 102J 1/10 -CP |
| R188 | 06S45674W49 | RES, RK 471J 1/10 -CP |
| R191 | 06S45674W50 | RES, RK 511J 1/10 -CP |
| R192 | 06S45675W43 | RES, RK JUMPER1/10-CP |
| R193 | 06S45674W89 | RES, RK 223J 1/10 -CP |
| R194 | 06S45674W89 | RES, RK 223J 1/10 -CP |
| R195 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R196 | 06S45674W89 | RES, RK 223J 1/10 -CP |
| R197 | 06S45674W89 | RES, RK 223J 1/10 -CP |
| R198 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R199 | 06S45674W89 | RES, RK 223J 1/10 -CP |
| R200 | 06S45674W97 | RES, RK 473J 1/10 -CP |
| R201 | 06S45674W89 | RES, RK 223J 1/10 -CP |
| R202 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R205 | 06S45674W77 | RES, RK 682J 1/10 -CP |
| R206 | 06S70072F90 | RES, CP .1R0-J-1/4-CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| R207 | 06S45674W89 | RES, RK 223J 1/10 -CP |
| R209 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R210 | 06S45675W02 | RES, RK 683J 1/10 -CP |
| R223 | 06S45674W57 | RES, RK 102J 1/10 -CP |
| R224 | 06S70072F13 | RES, CP .22R-J-1/4-CP |
| R225 | 06S70072F05 | RES, CP .10R-J-1/4-CP |
| R226 | 06S70072F05 | RES, CP .10R-J-1/4-CP |
| R228 | 06S45675W06 | RES, RK 104J 1/10 -CP |
| R229 | 06S45674W57 | RES, RK 102J 1/10 -CP |
| R230 | 06S70072F16 | RES, CP .30R-J-1/4-CP |
| R231 | 06S70072F16 | RES, CP .30R-J-1/4-CP |
| R232 | 06S70072F16 | RES, CP .30R-J-1/4-CP |
| R233 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R235 | 06S70072F90 | RES, CP .1R0-J-1/4-CP |
| R236 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R238 | 06S45674W97 | RES, RK 473J 1/10 -CP |
| R240 | 06S45674W73 | RES, RK 472J 1/10 -CP |
| R241 | 06S45674W73 | RES, RK 472J 1/10 -CP |
| R242 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R243 | 06S45674W57 | RES, RK 102J 1/10 -CP |
| R245 | 06S45674W57 | RES, RK 102J 1/10 -CP |
| R250 | 06S45674W97 | RES, RK 473J 1/10 -CP |
| R251 | 06S45674W97 | RES, RK 473J 1/10 -CP |
| R252 | 06S45674W97 | RES, RK 473J 1/10 -CP |
| R253 | 06S45674W97 | RES, RK 473J 1/10 -CP |
| R254 | 06S45674W97 | RES, RK 473J 1/10 -CP |
| R280 | 06S45674W77 | RES, RK 682J 1/10 -CP |
| R281 | 06S45674W73 | RES, RK 472J 1/10 -CP |
| R282 | 06S45674W65 | RES, RK 222J 1/10 -CP |
| R300 | 06S45674W57 | RES, RK 102J 1/10 -CP |
| R301 | 06S15593Y87 | RES, RK 393F 1/10 -CP |
| R302 | 06S15593Y77 | RES, RK 153F 1/10 -CP |
| R304 | 06S45674W89 | RES, RK 223J 1/10 -CP |
| R305 | 06S45674W89 | RES, RK 223J 1/10 -CP |
| R306 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R307 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R308 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R309 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R310 | 06S45674W97 | RES, RK 473J 1/10 -CP |
| R311 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R313 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R314 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R315 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R320 | 06S45674W75 | RES, RK 562J 1/10 -CP |
| R322 | 06S45674W81 | RES, RK 103J 1/10 -CP |
| R326 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R327 | 06S45674W33 | RES, RK 101J 1/10 -CP |
| R328 | 06S45674W17 | RES, RK 22RJ 1/10 -CP |
| R329 | 06S45674W17 | RES, RK 22RJ 1/10 -CP |

| Symbol No. | Part No. | Description |
|---|---|---|
| R330 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R331 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R332 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R333 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R334 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R335 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R336 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R337 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R338 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R339 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R340 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R341 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R342 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R343 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R344 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R345 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R346 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R349 | 06S45674W73 | RES,RK 472J 1/10 -CP |
| R350 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R352 | 06S45675W10 | RES,RK 154J 1/10 -CP |
| R353 | 06S45675W10 | RES,RK 154J 1/10 -CP |
| R355 | 06S45674W89 | RES,RK 223J 1/10 -CP |
| R356 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R360 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R361 | 06S45674W41 | RES,RK 221J 1/10 -CP |
| R363 | 06S45674W81 | RES,RK 103J 1/10 -CP |
| R366 | 06S45675W43 | RES,RK JUMPER1/10-CP |
| R367 | 06S45675W34 | RES,RK 225J 1/10 -CP |
| R371 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R372 | 06S45674W97 | RES,RK 473J 1/10 -CP |
| R376 | 06S45674W81 | RES,RK 103J 1/10 -CP |
| R377 | 06S45674W81 | RES,RK 103J 1/10 -CP |
| RA2 | 06S45591W07 | RES,ARY MNR101J 4-CP |
| RA3 | 06S45591W07 | RES,ARY MNR101J 4-CP |
| RA4 | 06S45591W11 | RES,ARY MNR22RJ 4-CP |
| RA5 | 06S45591W11 | RES,ARY MNR22RJ 4-CP |
| RA6 | 06S45591W11 | RES,ARY MNR22RJ 4-CP |
| RA7 | 06S45591W11 | RES,ARY MNR22RJ 4-CP |

### Connectors

| Symbol No. | Part No. | Description |
|---|---|---|
| CB1 | 09T15697Y30 | FFC,54104-3090 -EQ |
| CB6 | 09T45442Y50 | FFC,54104-5092 -EQ |
| CB10 | 09T15107Y16 | FFC,52745-1690 -E9 |
| CB11 | 09T15108Y20 | FFC,52746-2090 -E9 |

## LED P.W.Board

### LED's

| Symbol No. | Part No. | Description |
|---|---|---|
| LD501 | 48T16057W03 | LED,AN501-A.B |
| LD502 | 48T16057W03 | LED,AN501-A.B |
| LD503 | 48T16057W03 | LED,AN501-A.B |

### Capacitors

| Symbol No. | Part No. | Description |
|---|---|---|
| C501 | 08S45677W42 | CAP,CER.181J-CH1H-CP |
| C502 | 08S45677W42 | CAP,CER.181J-CH1H-CP |
| C503 | 08S45677W42 | CAP,CER.181J-CH1H-CP |

### Resistors

| Symbol No. | Part No. | Description |
|---|---|---|
| R501 | 06S64995F43 | RES,RK 391J 1/8 -CP |
| R502 | 06S64995F43 | RES,RK 391J 1/8 -CP |
| R503 | 06S64995F43 | RES,RK 391J 1/8 -CP |

## Switch P.W.Board

### Resistor

| Symbol No. | Part No. | Description |
|---|---|---|
| R506 | 06S64996F39 | RES,RK JUMPER 1/8-CP |

### Miscellaneous

| Symbol No. | Part No. | Description |
|---|---|---|
| ANT001 | 09T25015Y01 | ANT,RECEPTACLE -DB |
| CB801 | 09T55175W16 | CON,53377-1620 |
| CH401 | 09T25444Y15 | BTB,55323-1511 -B |
| CH501 | 01T35001Y03 | ASSY,UNIZON CONN 033 |
| CH503 | 01T35402Y03 | ASSY,WIRE MOTOR 2P |
| DIN501 | 09T55071W11 | CON,TCP9389-11 -DT |
| ET201 | 01T35497Y12 | ASSY,WIRE RCA7878A0<br>(FRONT OUT/REAR OUT/SUB-W) |
| ET203 | 01T15610Y04 | ASSY,WIRE 7878A 4V |
| JK501 | 09T95460W01 | JAC,HSJ0857-01-1010+ |
| LCD401 | 65T45245Y03 | LCD,MF7877JK |
| M503 | 59T65085W01 | MOTOR,LOAD FF-050SK<br>(NOSE MOTOR/7V-370mA) |
| M8001 | 59T15055Y03 | MOTOR,SF30A-12-007<br>(FAN MOTOR/12V-40mA) |

| Symbol No. | Part No. | Description |
|---|---|---|
| SW405 | 40T45266Y01 | ENC, EC11E15245 -B<br>(ROTARY ENCODER/MODE) |
| SW501 | 40T15494Y01 | SW, DETCT SPVG23 -E6<br>(NOSE CLOSE DET) |
| SW502 | 40T15494Y02 | SW, DETCT SPVG13 -E6<br>(NOSE OPEN DET) |
| DV36T030 | | |
| HD1 | 88T55031Y01 | PICK, TPU3011A-H |
| M1 | 01V53500Y93 | ASSY, MOTOR SPINDLE<br>(VM:4V, VCC:5V-130mA) |
| M2 | 01V34900Y73 | ASSY, MOTOR LOAD (5V-290mA) |
| M3 | 01V36200Y60 | ASSY, MOTOR SLED (5V-290mA) |
| SW1 | 40T15494Y02 | SW, DETCT SPVG13 -E6<br>(DISC CHUCKING END DETECT) |
| SW2 | 40T15494Y01 | SW, DETCT SPVG23 -E6 (LIMIT DETECT) |

| Symbol No. | Part No. | Description |
|---|---|---|

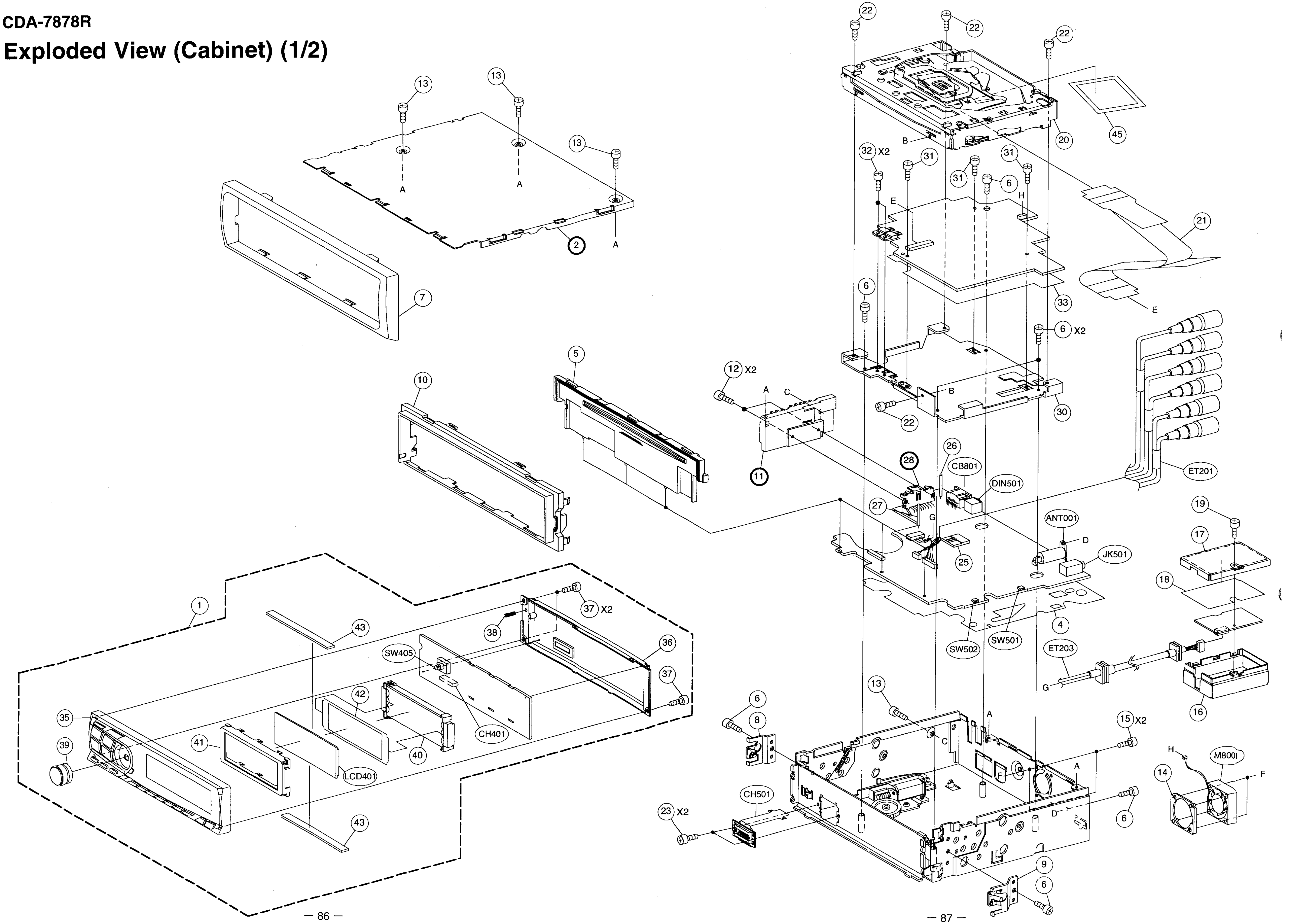
# Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied.

| Symbol No. | Index | Part No. | Description |
|---|---|---|---|
| 1 | | 01V46900Y34 | ASSY, NOSE UNIT7878R |
| 4 | | 14B41782Y01 | INSULATOR, MAIN |
| 5 | | 13B41611Y01 | NOSE, BASE ASSY |
| 6 | | 03S44205G07 | SCR, T-TITE M2. 6X5 |
| 7 | | 33C50062Y01 | FACE, PLATE |
| 8 | | 07D91595W01 | BKT, SIDE ASSY |
| 9 | | 07D91595W02 | BKT, SIDE (R) ASSY |
| 10 | | 13D21372Y01 | NOSE, BASE COVER |
| 12 | | 03S38013W05 | SCR, T-TITE M2. 6X16 |
| 13 | | 03S71677F02 | SCR, T-TITE-B M2. 6X6 |
| 14 | | 07A10154Y01 | BRKT, FAN |
| 15 | | 03S94385F66 | SCR, NYLOK M2X16 |
| 16 | | 15C11509Y01 | CASE, DC-DC |
| 17 | | 15B11508Y01 | COVER, DC-DC |
| 18 | | 14A20122Y01 | INSULATOR, DC-DC |
| 19 | | 03S44205G29 | SCR, T-TITE M2. 6X6 |
| 20 | | 81D50177Y01 | DV36T030, DVD MECH |
| 21 | | 84T35723Y01 | FPC, F9Y298 |
| 22 | | 03S44205G30 | SCR, T-TITE M2. 6X4 |
| 23 | | 03S94385F77 | SCR, NYLOK M1. 7X3 |
| 25 | | 36A70327W01 | KNOB, SLIDE |
| 26 | | 29C41045P06 | LUG, BOARD-IN 50MM |
| 27 | | 29C41045P07 | LUG, BOARD-IN 30MM |
| 30 | | 07C41610Y01 | BKT, DECK CD |
| 31 | | 03T25225Y01 | SCR, GND |
| 32 | | 03S20655Y01 | SCR, S-T M2. 6X7 ZNC |
| 33 | | 14A41783Y01 | INSULATOR, DIGI |
| 35 | | 13D42039Y05 | NOSE, PIECE ASSY (H) |
| 36 | | 13D40822Y01 | NOSE, BOTTOM |
| 37 | | 03S68555F20 | SCR, WAVE M1. 7X5 |
| 38 | | 41A50111W10 | SPRING, KNOB |
| 39 | | 36B40857Y01 | KNOB, ROTALY ASSY |
| 40 | | 15D50029Y01 | CASE, LCD ASSY |
| 41 | | 15B50030Y01 | COVER, LCD |
| 42 | | 26A41974Y01 | REFLECTOR, SHEET |
| 43 | | 75T85248W13 | RUBBER, ELECTRIC |
| 45 | | 26A50882Y01 | SHIELD, PLATE |
| 100 | | 01C01750K01 | BKT, FRONT BASE ASSY |
| 101 | | 07B01757K01 | BKT, SLIDER |
| 102 | | 07B01753K01 | BKT, BASE (L) |
| 103 | | 07B01753K02 | BKT, BASE (R) |
| 104 | | 07A01754K01 | BKT, ARM (L) |
| 105 | | 07A01754K02 | BKT, ARM (R) |
| 106 | | 04B41345P54 | WASHER, LOCK |
| 107 | | 03A20851Y02 | SCR, SLIDER |
| 108 | | 03D40121T56 | SCR, MACHINE M2X4 |
| 109 | | 44A01841K01 | GEAR, SLIDER |
| 110 | | 44B01846K01 | GEAR, CLUTCH ASSY |
| 111 | | 07C01755K01 | BKT, MOTER |
| 112 | | 44A01840K01 | GEAR, WORM |
| 113 | | 03S68259F23 | SCR, P-LOCK M2X3 |
| 114 | | 03S94385F13 | SCR, NYLOK M2. 6X3 |
| 115 | | 41A22014Y01 | SPRING, EXTENSION |
| 116 | | 75S21219Y48 | CUS, RUB (9X4. 5XT2) |

**CDA-7878R**

# Exploded View (Cabinet) (1/2)



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37 X2
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SW405
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CH401
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LCD401
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12 X2
A
C
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32 X2
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6 X2
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26
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CB801
DIN501
27
G
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ANT001
D
JK501
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SW502
SW501
ET201
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ET203
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A
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15 X2
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M800I
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F
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D
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23 X2
CH501
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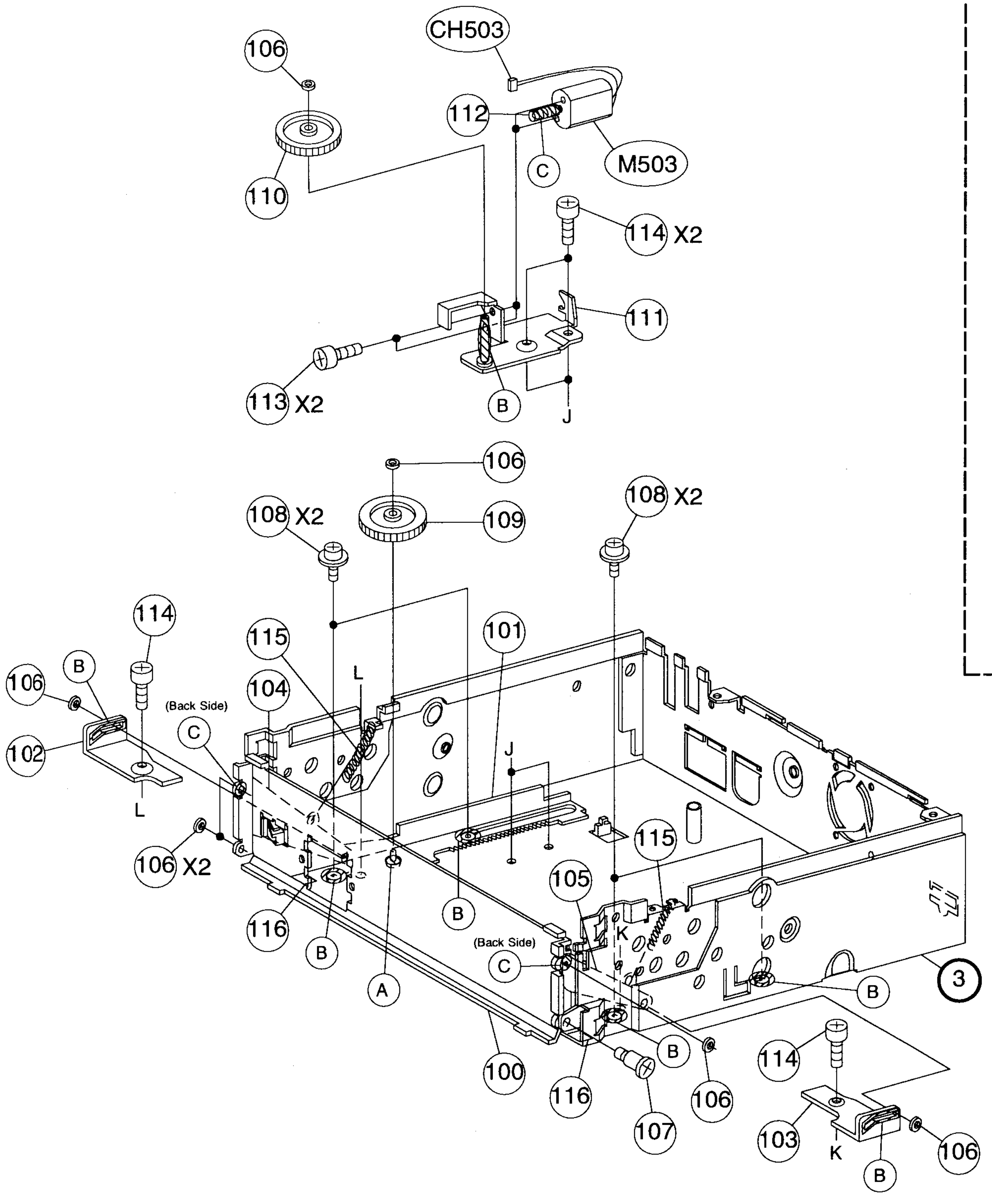
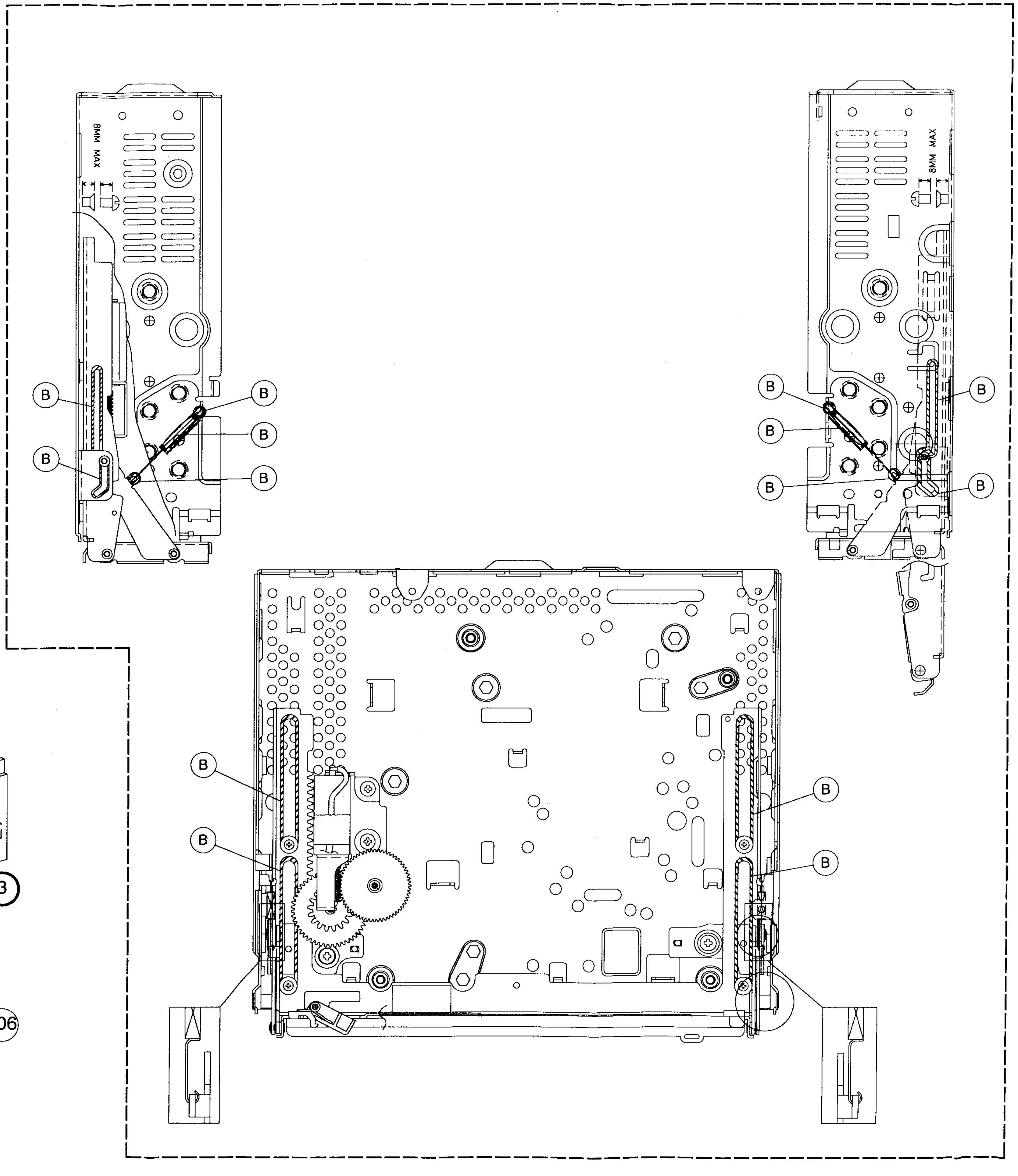
# Exploded View (Cabinet) (2/2)


106
CH503
112
M503
C
110
114 X2
111
113 X2
B
J
106
108 X2
109
108 X2
114
115
101
106
B
(Back Side)
104
L
C
102
L
J
106 X2
115
105
K
116
B
A
B
(Back Side)
C
B
3
100
116
B
107
106
114
103
K
B
106


8MM MAX
8MM MAX
B
B
B
B
B
B
B
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B
B

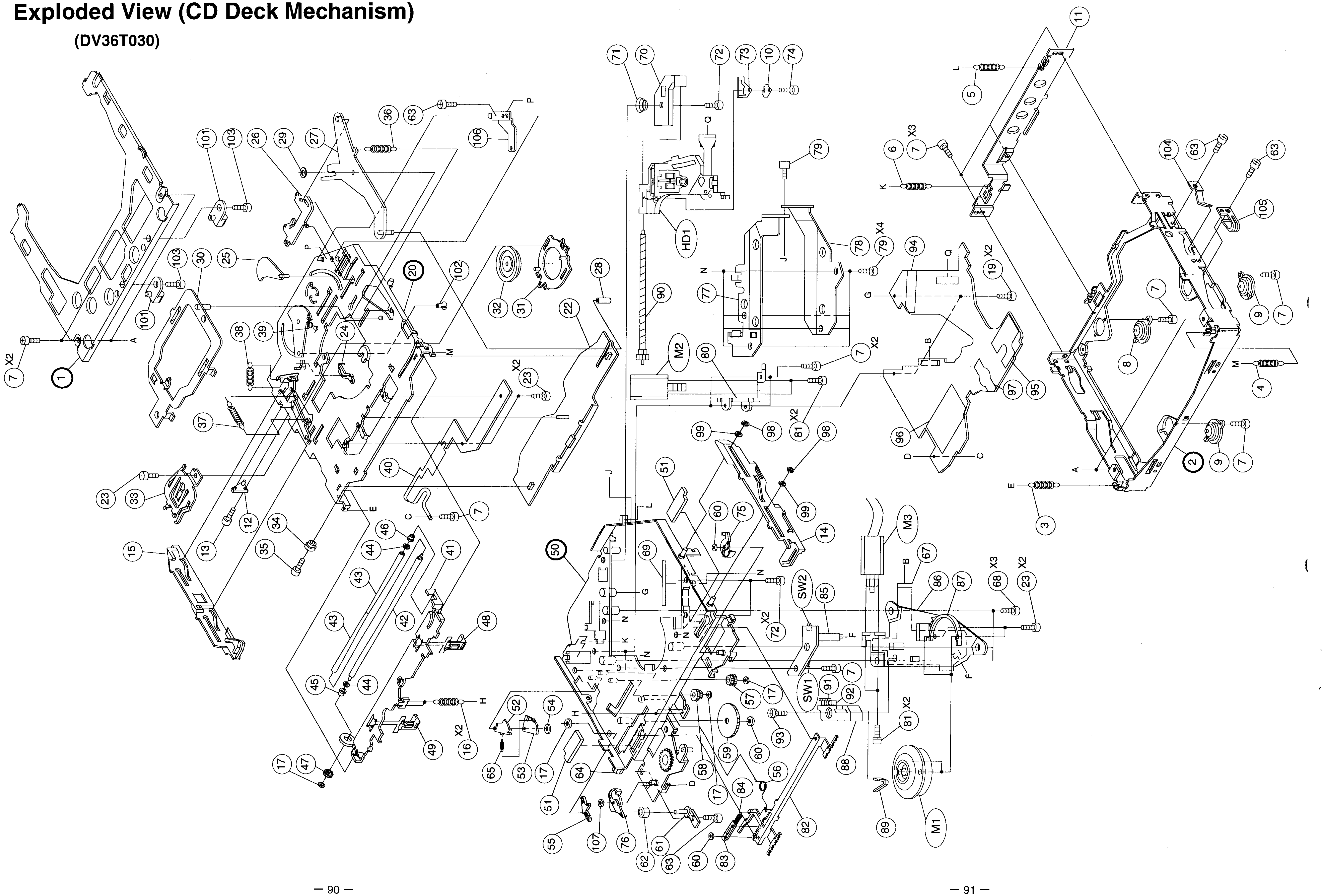
▨ .......point of GREASE applied.

| | |
|---|---|
| Ⓐ | GREASE, FG-53C ( 11S20853Y01 ) |
| Ⓑ | GREASE, E PASTE ( 11S42419J09 ) |
| Ⓒ | GREASE SILICON ( 11S490487 ) |

**CDA-7878R**

# Exploded View (CD Deck Mechanism)

## (DV36T030)



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105
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107
HD1
M1
M2
M3
SW1
SW2
X2
X3
X4
A
B
C
D
E
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G
H
J
K
L
M
N
P
Q

# CD Deck Mechanism Assembly Parts List

NOTE:Parts without part number are not supplied.

| Symbol No. | Index | Part No. | Description |
|---|---|---|---|
| 3 |  | 41B31430Y01 | SPRING, PULL |
| 4 |  | 41B31430Y02 | SPRING, PULL |
| 5 |  | 41B31430Y03 | SPRING, PULL |
| 6 |  | 41B31430Y04 | SPRING, PULL |
| 7 |  | 03S94385F19 | SCR, NYLOK M2X2. 5 |
| 8 |  | 75C31436Y03 | DAMPER, DV-T |
| 9 |  | 75C31436Y02 | DAMPER, DV-T |
| 10 |  | 07A40502Y01 | BKT, SPRING NUT |
| 11 |  | 07C30910Y01 | BKT, CHASSIS-B |
| 12 |  | 01A31147Y01 | ASSY, RIV. LEV. CLP (B) |
| 13 |  | 03A41113Y01 | SCR, MCH M1. 7X0. 35 |
| 14 |  | 45C30959Y01 | SLIDER, LOCK (R) |
| 15 |  | 45C30960Y01 | SLIDER, LOCK (L) |
| 16 |  | 41B31430Y09 | SPRING, PULL |
| 17 |  | 04B41345P18 | WASH, 1. 2X2. 5X0. 35 |
| 19 |  | 03S38013W25 | SCREW, T-TITE M2X4 |
| 22 |  | 15D30952Y01 | GUIDE, TOP DVT |
| 23 |  | 03S94385F28 | SCR, NYLOK M1. 7X2 |
| 24 |  | 45A30962Y01 | LEVER, ACTUATOR |
| 25 |  | 45B30961Y01 | LEVER, STP-DISC (R) |
| 26 |  | 45A30878Y01 | LEVER, LOCK |
| 27 |  | 01A31152Y01 | ASSY, RIV. LEVER DISC |
| 28 |  | 43A31103Y01 | BUSH, LEVER DISC |
| 29 |  | 04B41345P14 | WASH, L.  2. 1X4X0. 25 |
| 30 |  | 01B31146Y01 | ASSY, RIV. SLIDER CLP |
| 31 |  | 01A31150Y01 | ASSY, RIV. HOLDER CLP |
| 32 |  | 43B30963Y01 | TABLE, CLAMPER |
| 33 |  | 07B30884Y01 | PLATE, CLAMP |
| 34 |  | 43A31157Y01 | BUSH, ARM GUIDE |
| 35 |  | 03S94385F02 | SCR, NYLOK M1. 7X3 |
| 36 |  | 41B31430Y05 | SPRING, PULL |
| 37 |  | 41B31430Y06 | SPRING, PULL |
| 38 |  | 41B31430Y07 | SPRING, PULL |
| 39 |  | 41A31431Y01 | SPRING, LEVER |
| 40 |  | 84T35622Y01 | FPC, LED |
| 41 |  | 01A31143Y03 | ASSY, RIV. ARM GUIDE |
| 42 |  | 47A31156Y01 | SHAFT, ROLLER |
| 43 |  | 49A31435Y01 | ROLLER, DV-T |
| 44 |  | 04S40075G09 | WASH, 2. 6X4. 7X0. 25 |
| 45 |  | 43A30955Y01 | BUSH, ROLLER (R) |
| 46 |  | 43A30956Y01 | BUSH, ROLLER (L) |
| 47 |  | 44A30949Y01 | GEAR, (G) |
| 48 |  | 44A30953Y01 | ARM, FRONT (R) |
| 49 |  | 44A30954Y01 | ARM, FRONT (L) |
| 51 |  | 14A40520Y01 | COVER, SLIDER-LD |
| 52 |  | 45A30882Y01 | ARM, LINK (A) |
| 53 |  | 45A30883Y01 | ARM, LINK (B) |
| 54 |  | 04B41345P24 | WASH, 2. 1X5X0. 35 |
| 55 |  | 01A31151Y01 | ASSY, RIV. ARM TIMING |
| 56 |  | 41A31432Y01 | SPRING, SLIDER |
| 57 |  | 44B30944Y01 | GEAR, (B) |
| 58 |  | 44B30945Y01 | GEAR, (C) |
| 59 |  | 44B30946Y01 | GEAR, (D) |
| 60 |  | 04B41345P12 | WASH, L.  1. 7X3. 5X0. 35 |
| 61 |  | 01A31145Y01 | ASSY, RIV. BKT. GEAR-E |
| 62 |  | 44B30947Y01 | GEAR, (E) |
| 63 |  | 03S94385F07 | SCR, NYLOK M2X2 |
| 64 |  | 44B30948Y01 | GEAR, (F) |
| 65 |  | 41B31430Y08 | SPRING, PULL |
| 67 |  | 84T35623Y01 | FPC, MECH |
| 68 |  | 03A31494Y01 | SCREW, DRIVE |
| 69 |  | 47A31437Y01 | SHAFT, PICK |
| 70 |  | 07B30988Y01 | BKT, ADJUST |
| 71 |  | 41A31434Y01 | SPRING, COMP-DRIVE |
| 72 |  | 03A31102Y01 | SCREW, ADJUST |
| 73 |  | 41B30969Y01 | SPRING, NUT |
| 74 |  | 03A40577Y01 | SCREW, H2 M1. 7X3 |
| 75 |  | 45B30957Y01 | ARM, LOCK (R) |
| 76 |  | 45B30958Y02 | ARM, LOCK (L) |
| 77 |  | 07B30890Y01 | COVER, SHAFT-MAIN |
| 78 |  | 07B30891Y01 | COVER, SHAFT-SUB |
| 79 |  | 03S94385F88 | SCR, NYLOK M2X2 |
| 80 |  | 07B30872Y01 | BKT, MOTOR LOAD |
| 81 |  | 03S40014G97 | SCR, MCH M1. 4X2. 5 |
| 82 |  | 01B31144Y01 | ASSY, RIV. SLIDER LD |
| 83 |  | 44B30951Y01 | RACK |
| 84 |  | 41A31433Y01 | SPRING, COMP-LOAD |
| 85 |  | 30T15126W17 | WIRE, PC JOINT 3P |
| 86 |  | 07B30887Y01 | BKT, MOTOR-SPDL |
| 87 |  | 07B30989Y01 | COVER, MOTOR |
| 88 |  | 07B30964Y01 | BKT, SLED |
| 89 |  | 41A30889Y01 | SPRING, SHAFT |
| 90 |  | 01V36200Y58 | ASSY, SHAFT SCREW |
| 91 |  | 44A30966Y01 | GEAR, MIDDLE |
| 92 |  | 44A30967Y01 | GEAR, IDLER |
| 93 |  | 03S40014G84 | SCREW, MACHINE M2X6. 5 |
| 94 |  | 14A31919Y01 | INSULATOR, PWB (4) |
| 95 |  | 14A31916Y01 | INSULATOR, PWB (1) |
| 96 |  | 14A31917Y01 | INSULATOR, PWB (2) |
| 97 |  | 14A31918Y01 | INSULATOR, PWB (3) |
| 98 |  | 04B41345P15 | WASH, 1. 2X3. 5X0. 35 |
| 99 |  | 04A40504Y02 | WASHER, 1. 5X3X0. 3 |
| 101 |  | 07A41797Y01 | BKT, STOPPER DISC (F) |
| 102 |  | 43A41839Y01 | ROLLER, STP-DISC |
| 103 |  | 03S94385F01 | SCR, NYLOK M1. 7X2. 3 |
| 104 |  | 41B50301Y01 | SPRING, SLIDER (RR) |
| 105 |  | 41B50302Y01 | SPRING, SLIDER (RF) |
| 106 |  | 41B50303Y01 | SPRING, LEVER LOCK |
| 107 |  | 04B41345P27 | WASH, L.  1. 7X4. 6X0. 5 |